SECTION C — CHEMISTRY; METALLURGY

CO4 CEMENTS; CONCRETE; ARTIFICIAL STONE; CERAMICS; REFRACTORIES

Note(s)

This class does not cover mechanical features provided for elsewhere, e.g. mechanical working B28, kilns F27.

C04B LIME; MAGNESIA; SLAG; CEMENTS; COMPOSITIONS THEREOF, e.g. MORTARS, CONCRETE OR LIKE BUILDING MATERIALS; ARTIFICIAL STONE; CERAMICS (devitrified glass-ceramics C03C 10/00); REFRACTORIES (alloys based on refractory metals C22C); TREATMENT OF NATURAL STONE [4]

Note(s) [6]

In this subclass, the following terms or expressions are used with the meanings indicated:

- "fillers" includes pigments, aggregates and fibrous reinforcing materials;
 - "active ingredients" includes processing aids or property improvers, e.g. grinding aids used after the burning process or used in the absence of a burning process;
 - "mortars", "concrete" and "artificial stone" are to be considered as a single group of materials, and therefore, in the absence of an indication to be contrary, they include mortar, concrete and other cementitious compositions.

Subclass index

LIME, MAGNESIA; SLAG	2/00, 5/00
CEMENTS	7/00-12/00
MORTARS; CONCRETE; ARTIFICIAL STONE	
Compositions	26/00-32/00
CompositionsFillers	14/00-20/00
Active ingredients	22/00, 24/00
Porous products	38/00
Influencing or modifying the properties of mortars	40/00
After-treatment	41/00
CERAMICS	
Clay-wares	33/00
Other ceramics	35/00
Joining	37/00
Porous products	38/00
Porous products	41/00
TREATMENT OF NATURAL STONE	41/00

Lime; Magnesia; Slag

2/00 Lime, magnesia or dolomite [4, 2006.01]

2/02 • Lime [4, 2006.01]

2/04 • • Slaking [4, 2006.01]

2/06 • • • with addition of substances, e.g. hydrophobic agents [4, 2006.01]

2/08 • • • Devices therefor **[4, 2006.01]**

 Preheating, burning, calcining or cooling (decarbonation during burning of cement raw materials C04B 7/43) [4, 2006.01]

2/12 • in shaft or vertical furnaces **[4, 2006.01]**

5/00 Treatment of molten slag (manufacture of slag wool C03B; treatment of slag in or for the production of metals C21B, C22B); Artificial stone from molten slag [1, 4, 2006.01]

- Granulating (granulating apparatus B01J 2/00);
 Dehydrating; Drying [1, 2006.01]
 - Ingredients, other than water, added to the molten slag; Treatment with gases or gas generating material, e.g. to obtain porous slag [4, 2006.01]

Cements

5/06

Note(s) [4]

In groups C04B 7/00-C04B 32/00, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.

7/00 Hydraulic cements [1, 2006.01]

7/02 • Portland cement **[1, 2006.01]**

7/04	•	 using raw materials containing 	9/20	• Manufacture, e.g. preparing the batches (preheating,
		gypsum [1, 2006.01]		burning, calcining or cooling lime stone, magnesite
7/06		 using alkaline raw materials [1, 2006.01] 		or dolomite C04B 2/10) [1, 2006.01]
7/12	•	Natural pozzuolanas; Natural pozzuolana	11/00	Calcium sulfate cements [1, 2006.01]
= /4 D		cements [1, 4, 2006.01]	11/02	• Dehydrating gypsum [1, 2006.01]
7/13	•	 Mixtures thereof with inorganic cementitious materials, e.g. Portland cements [4, 2006.01] 	11/024	 Ingredients added before, or during, the calcining
7/14		Cements containing slag [1, 2006.01]		process, e.g. calcination modifiers [4, 2006.01]
7/147		• Metallurgical slag [4, 2006.01]	11/028	• • Devices therefor [4, 2006.01]
7/153		Mixtures thereof with other inorganic	11/032	• • • for the wet process, e.g. dehydrating in solution
77133		cementitious materials or other		or under saturated vapor
		activators [4, 2006.01]		conditions [4, 2006.01]
7/17	•	• • with calcium oxide containing	11/036	• • • for the dry process, e.g. dehydrating in a
		activators [4, 2006.01]	11 /05	fluidised bed or in a rotary kiln [4, 2006.01]
7/19	•	• • • • Portland cements [4, 2006.01]	11/05	 obtaining anhydrite (C04B 11/028 takes precedence) [4, 2006.01]
7/21	•	• with calcium sulfate containing	11/06	• starting from anhydrite [1, 2006.01]
= (00		activators [4, 2006.01]	11/26	 starting from phosphogypsum or from waste, e.g.
7/22		Iron ore cements [1, 2006.01]	11, 20	purification products of smoke (C04B 11/02 takes
7/24	•	Cements from oil shales, residues or waste other than slag [1, 4, 2006.01]		precedence) [4, 2006.01]
7/26		• from raw materials containing flue	11/28	 Mixtures thereof with other inorganic cementitious
7720	·	dust [1, 2006.01]		materials (C04B 7/04, C04B 7/153 take
7/28	•	• from combustion residues (C04B 7/26 takes	44 /50	precedence) [4, 2006.01]
		precedence) [1, 4, 2006.01]	11/30	• • with hydraulic cements, e.g. Portland
7/30	•	from oil shale; from oil shale		cements [4, 2006.01]
		residues [1, 4, 2006.01]	12/00	Cements not provided for in groups C04B 7/00-
7/32		Aluminous cements [1, 2006.01]		C04B 11/00 [4, 2006.01]
7/34	•	Hydraulic lime cements; Roman	12/02	 Phosphate cements [4, 2006.01]
E /D 4E		cements [1, 2006.01]	12/04	Alkali metal or ammonium silicate
7/345	•	Hydraulic cements not provided for in one of the groups C04B 7/02-C04B 7/34 [4, 2006.01]		cements [4, 2006.01]
7/36		Manufacture of hydraulic cements in		
7750		general [1, 2006.01]	Use of ma	nterials as fillers for mortars, concrete or artificial
7 /20				
7/38	•	 Preparing or treating the raw materials 	<u>stone [4]</u>	
//38	•	 Preparing or treating the raw materials individually or as batches [1, 4, 2006.01] 		Y7 6 1 2 1 2 1 6 1 6 1
7/40		individually or as batches [1, 4, 2006.01]Dehydrating; Forming, e.g. granulating	stone [4] 14/00	Use of inorganic materials as fillers, e.g. pigments,
7/40	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] 		for mortars, concrete or artificial stone; Treatment of
	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the 		for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance
7/40 7/42	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] 		for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building
7/40	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, 	14/00	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01]
7/40 7/42 7/43	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] 	14/00 14/02	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01]
7/40 7/42 7/43 7/44	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] 	14/00 14/02 14/04	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01]
7/40 7/42 7/43 7/44 7/45	•	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] 	14/00 14/02 14/04 14/06	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] 	14/00 14/02 14/04 14/06 14/08	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01]
7/40 7/42 7/43 7/44 7/45		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Oiatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes 	14/02 14/04 14/06 14/08 14/10 14/12 14/14	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • porous, e.g. pumice [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Mica; Vermiculite [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Mica; Vermiculite [4, 2006.01] • Glass [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00	· · · · · · · · · · · · · · · · · · ·	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01]	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Perlite [4, 2006.01] • Glass [4, 2006.01] • Glass [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60	· · · · · · · · · · · · · · · · · · ·	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Perlite [4, 2006.01] • Glass [4, 2006.01] • Glass [4, 2006.01] • Carbonates [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01]	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Carbonates [4, 2006.01] • Carbonates [4, 2006.01] • Oralcium [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Diatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Perlite [4, 2006.01] • Glass [4, 2006.01] • Glass [4, 2006.01] • Carbonates [4, 2006.01] • Osides other than silica [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Carbonates [4, 2006.01] • Carbonates [4, 2006.01] • Oralcium [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04	· · · · · · · · · · · · · · · · · · ·	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] Granular materials [4, 2006.01] Quartz; Sand [4, 2006.01] Quartz; Sand [4, 2006.01] Clay [4, 2006.01] Clay [4, 2006.01] Minerals of vulcanic origin [4, 2006.01] Minerals of vulcanic origin [4, 2006.01] Perlite [4, 2006.01] Mica; Vermiculite [4, 2006.01] Glass [4, 2006.01] Glass [4, 2006.01] Carbonates [4, 2006.01] Carbonates [4, 2006.01] Oxides other than silica [4, 2006.01] Carbides; Nitrides; Borides [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04 9/06		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or lead [1, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32 14/34	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] Granular materials [4, 2006.01] Quartz; Sand [4, 2006.01] Quartz; Sand [4, 2006.01] Clay [4, 2006.01] Minerals of vulcanic origin [4, 2006.01] Minerals of vulcanic origin [4, 2006.01] Perlite [4, 2006.01] Perlite [4, 2006.01] Mica; Vermiculite [4, 2006.01] Glass [4, 2006.01] Carbonates [4, 2006.01] Carbonates [4, 2006.01] Carbides; Nitrides; Borides [4, 2006.01] Metals [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04	· · · · · · · · · · · · · · · · · · ·	 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or lead [1, 2006.01] Mixtures thereof with other inorganic cementitious 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32 14/34	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Original of the properties of the
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04 9/06		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or lead [1, 2006.01] Mixtures thereof with other inorganic cementitious materials [4, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32 14/36 14/36	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Clay [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Perlite [4, 2006.01] • Of Class [4, 2006.01] • Carbonates [4, 2006.01] • Carbonates [4, 2006.01] • Oxides other than silica [4, 2006.01] • Carbides; Nitrides; Borides [4, 2006.01] • Metals [4, 2006.01] • Inorganic materials not provided for in groups C04B 14/04-C04B 14/34 [4, 2006.01] • Asbestos [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04 9/06		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or lead [1, 2006.01] Mixtures thereof with other inorganic cementitious materials [4, 2006.01] with hydraulic cements, e.g. Portland 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32 14/36 14/36 14/36	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Perlite [4, 2006.01] • Oliass [4, 2006.01] • Original of the individual of the individua
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04 9/06		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or lead [1, 2006.01] Mixtures thereof with other inorganic cementitious materials [4, 2006.01] 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32 14/36 14/36	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] Granular materials [4, 2006.01] Granular materials; Silicates [4, 2006.01] Quartz; Sand [4, 2006.01] Clay [4, 2006.01] Expanded clay [4, 2006.01] Minerals of vulcanic origin [4, 2006.01] Perlite [4, 2006.01] Perlite [4, 2006.01] Mica; Vermiculite [4, 2006.01] Carbonates [4, 2006.01] Carbonates [4, 2006.01] Carbides; Nitrides; Borides [4, 2006.01] Metals [4, 2006.01] Fibrous materials not provided for in groups C04B 14/04-C04B 14/34 [4, 2006.01] Fibrous materials; Whiskers [4, 2006.01] Asbestos [4, 2006.01] Glass [4, 2006.01] Glass [4, 2006.01]
7/40 7/42 7/43 7/44 7/45 7/46 7/47 7/48 7/51 7/52 7/60 9/00 9/02 9/04 9/06		 individually or as batches [1, 4, 2006.01] Dehydrating; Forming, e.g. granulating (granulating apparatus B01J 2/00) [1, 2006.01] Active ingredients added before, or during, the burning process [1, 2006.01] Heat treatment, e.g. precalcining, burning, melting; Cooling [4, 2006.01] Burning; Melting [1, 4, 2006.01] in fluidised beds [4, 2006.01] electric [1, 4, 2006.01] Cooling [4, 2006.01] Clinker treatment (C04B 7/47 takes precedence) [1, 4, 2006.01] Hydrating [4, 2006.01] Grinding [1, 2006.01] Methods for eliminating alkali metals or compounds thereof [4, 2006.01] Magnesium cements or silimar cements [1, 2006.01] Magnesium cements containing chlorides, e.g. Sorel cement [1, 2006.01] Magnesium cements containing sulfates, nitrates, phosphates, or fluorides [1, 2006.01] Cements containing metal compounds other than magnesium compounds, e.g. compounds of zinc or lead [1, 2006.01] Mixtures thereof with other inorganic cementitious materials [4, 2006.01] with hydraulic cements, e.g. Portland 	14/00 14/02 14/04 14/06 14/08 14/10 14/12 14/14 14/16 14/18 14/20 14/22 14/24 14/26 14/28 14/30 14/32 14/36 14/36 14/36	for mortars, concrete or artificial stone; Treatment of inorganic materials specially adapted to enhance their filling properties in mortars, concrete or artificial stone (reinforcing elements for building E04C 5/00) [4, 2006.01] • Granular materials [4, 2006.01] • Silica-rich materials; Silicates [4, 2006.01] • Quartz; Sand [4, 2006.01] • Oliatomaceous earth [4, 2006.01] • Expanded clay [4, 2006.01] • Minerals of vulcanic origin [4, 2006.01] • Perlite [4, 2006.01] • Perlite [4, 2006.01] • Oliass [4, 2006.01] • Original of the individual of the individua

• • Metal [4, 2006.01] 14/48 20/12 Multiple coating or impregnating [4, 2006.01] 16/00 Use of organic materials as fillers, e.g. pigments, for mortars, concrete or artificial stone; Treatment of Use of materials as active ingredients [4] organic materials specially adapted to enhance their Note(s) [4, 6] filling properties in mortars, concrete or artificial stone (reinforcing elements for building Active ingredients which react with cement E04C 5/00) [4, 2006.01] compounds for forming new or modified 16/02 • Cellulosic materials [4, 2006.01] mineralogical phases and are added before the 16/04 • Macromolecular compounds (C04B 16/02 takes hardening process, as well as cements added as additives to other cements, are classified in groups precedence) [4, 2006.01] C04B 7/00-C04B 12/00. 16/06 fibrous [4, 2006.01] In groups C04B 22/00-C04B 24/00, it is desirable 16/08 porous, e.g. expanded polystyrene to add the indexing codes of group C04B 103/00. beads [4, 2006.01] 16/10 Treatment for enhancing the mixability with the 22/00 Use of inorganic materials as active ingredients for mortar [4, 2006.01] mortars, concrete or artificial stone, e.g. 16/12 · characterised by the shape (fibrous macromolecular accelerators [4, 2006.01] compounds C04B 16/06; porous macromolecular 22/02 • Elements [4, 2006.01] compounds C04B 16/08) [4, 2006.01] 22/04 Metals, e.g. aluminium used as blowing agent [4, 2006.01] 18/00 Use of agglomerated or waste materials or refuse as 22/06 • Oxides; Hydroxides [4, 2006.01] fillers for mortars, concrete or artificial stone; 22/08 • Acids or salts thereof [4, 2006.01] Treatment of agglomerated or waste materials or refuse, specially adapted to enhance their filling 22/10 containing carbon in the anion, e.g. properties in mortars, concrete or artificial stone carbonates [4, 2006.01] (reinforcing elements for building 22/12 containing halogen in the anion, e.g. calcium E04C 5/00) [4, 2006.01] chloride [4, 2006.01] 18/02 • Agglomerated materials [4, 2006.01] containing sulfur in the anion, e.g. 22/14 18/04 • Waste materials; Refuse [4, 2006.01] sulfides [4, 2006.01] 18/06 · · Combustion residues, e.g. purification products of 22/16 containing phosphorus in the anion, e.g. smoke, fumes or exhaust gases [4, 2006.01] phosphates [4, 2006.01] 18/08 • • • Flue dust [4, 2006.01] 24/00 Use of organic materials as active ingredients for 18/10 • • • Burned refuse [4, 2006.01] mortars, concrete or artificial stone, e.g. 18/12 • • from quarries, mining or the like [4, 2006.01] plasticisers [4, 2006.01] 18/14 • • from metallurgical processes (treatment of molten 24/02 • Alcohols; Phenols; Ethers [4, 2006.01] slag C04B 5/00) [4, 2006.01] 24/04 · Carboxylic acids; Salts, anhydrides or esters 18/16 from building or ceramic industry [4, 2006.01] thereof [4, 2006.01] organic (C04B 18/10 takes 18/18 24/06 containing hydroxy groups [4, 2006.01] precedence) [4, 2006.01] 24/08 Fats; Fatty oils; Ester type waxes; Higher fatty acids, 18/20 • from macromolecular compounds [4, 2006.01] i.e. having at least seven carbon atoms in an • • • Rubber [4, 2006.01] 18/22 unbroken chain bound to a carboxyl group; Oxidised 18/24 Vegetable refuse, e.g. rice husks, maize-ear oils or fats [4, 2006.01] refuse; Cellulosic materials, e.g. 24/10 Carbohydrates or derivatives thereof [4, 2006.01] paper **[4, 2006.01]** 24/12 • Nitrogen containing compounds [4, 2006.01] 18/26 Wood, e.g. sawdust, wood 24/14 Peptides; Proteins; Derivatives shavings [4, 2006.01] thereof [4, 2006.01] 18/28 Mineralising; Compositions 24/16 • Sulfur-containing compounds [4, 2006.01] therefor [4, 2006.01] 24/18 Lignin sulfonic acid or derivatives thereof, e.g. 18/30 · · Mixed waste; Waste of undefined composition, sulfite lye [4, 2006.01] e.g. municipal waste (C04B 18/10 takes 24/20 Sulfonated aromatic compounds [4, 2006.01] precedence) [4, 2006.01] 24/22 • • Condensation products thereof [4, 2006.01] 20/00 Use of materials as fillers for mortars, concrete or 24/24 • Macromolecular compounds (C04B 24/14 takes artificial stone according to more than one of groups precedence; macromolecular compounds comprising C04B 14/00-C04B 18/00 and characterised by shape sulfonate or sulfate groups or grain distribution; Treatment of materials C04B 24/16) [4, 6, 2006.01] according to more than one of the groups obtained by reactions only involving carbon-to-24/26 C04B 14/00-C04B 18/00 specially adapted to enhance carbon unsaturated bonds [4, 2006.01] their filling properties in mortars, concrete or obtained otherwise than by reactions only 24/28 artificial stone; Expanding or defibrillating materials involving carbon-to-carbon unsaturated (reinforcing elements for building bonds [4, 2006.01] E04C 5/00) [4, 2006.01] 24/30 Condensation polymers of aldehydes or 20/02 • Treatment [4, 2006.01] ketones [4, 2006.01] 20/04 • • Heat treatment [4, 2006.01] 24/32 Polyethers, e.g. alkylphenol 20/06 · · · Expanding clay, perlite, vermiculite or like polyglycolether [4, 2006.01] granular materials [4, 2006.01] Natural resins, e.g. rosin [4, 2006.01] 24/34 20/08 • • Defibrillating asbestos [4, 2006.01] 24/36 Bituminous materials, e.g. tar, pitch [4, 2006.01]

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• Coating or impregnating [4, 2006.01]

Polysaccharides or derivatives thereof [4, 2006.01]
 Compounds containing silicon, titanium or zirconium [4, 2006.01]
 Compounds having one or more carbon-to-silicon linkages [4, 2006.01]

Compositions of mortars, concrete or artificial stone [4]

Note(s) [4, 6, 2006.01]

- Any ingredient of compositions of mortars, concrete or artificial stone, classified in groups C04B 26/00-C04B 32/00 according to the last place rule, and which itself is determined to be novel and non-obvious, must also be classified in the last appropriate place in groups C04B 7/00-C04B 24/00.
- 2. Any ingredient of compositions of mortars, concrete or artificial stone, which is not identified by the classification in groups C04B 26/00-C04B 32/00 according to the last place rule, and which is considered to represent information of particular interest for search, may also be classified in the last appropriate place in groups C04B 7/00-C04B 24/00. This can for example be the case when it is considered of interest to enable searching of compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information". For example, a well defined Portland cement mortar mixture containing clay as an essential or characterising filler is classified in group C04B 28/04 and may also additionally be classified in group C04B 14/10.
- 3. In groups C04B 26/00-C04B 32/00, it is desirable to add the indexing codes of group C04B 111/00.

26/00 Compositions of mortars, concrete or artificial stone, containing only organic binders [4, 2006.01]

- **•** Macromolecular compounds **[4, 2006.01]**
- 26/04 obtained by reactions only involving carbon-tocarbon unsaturated bonds **[4, 2006.01]**
- 26/06 • Acrylates [4, 2006.01]
- 26/08 • containing halogen [4, 2006.01]
- 26/10 • obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [4, 2006.01]
- 26/12 • Condensation polymers of aldehydes or ketones [4, 2006.01]
- 26/14 • Polyepoxides [4, 2006.01]
- 26/16 • Polyurethanes **[4, 2006.01]**
- 26/18 • Polyesters; Polycarbonates **[4, 2006.01]**
- 26/20 • Polyamides [4, 2006.01]
- 26/22 Natural resins, e.g. rosin [4, 2006.01]
- 26/24 • Cellulosic waste liquor, e.g. sulfite lye **[4, 2006.01]**
- 26/26 • Bituminous materials, e.g. tar, pitch [4, 2006.01]
- 26/28 Polysaccharides or derivatives thereof [4, 2006.01]
- 26/30 Compounds having one or more carbon-to-metal or carbon-to-silicon linkages [4, 2006.01]
- 26/32 • containing silicon **[4, 2006.01]**

28/00 Compositions of mortars, concrete or artificial stone, containing inorganic binders or the reaction product of an inorganic and an organic binder, e.g. polycarboxylate cements [4, 2006.01]

28/02 • containing hydraulic cements other than calcium sulfates [4, 2006.01]

- 28/04 • Portland cements **[4, 2006.01]**
- 28/06 • Aluminous cements [4, 2006.01]
- 28/08 • Slag cements [4, 2006.01]
- 28/10 Lime cements or magnesium oxide cements [4, 2006.01]
- 28/12 • Hydraulic lime [4, 2006.01]
- containing calcium sulfate cements [4, 2006.01]
- 28/16 • containing anhydrite **[4, 2006.01]**
- 28/18 containing mixtures of the silica-lime type [4, 2006.01]
- 28/20 • Sand-lime [4, 2006.01]
- 28/22 • Lime and pozzuolanas [4, 2006.01]
- 28/24 containing alkyl ammonium or alkali metal silicates; containing silica sols [4, 2006.01]
- 28/26 • Silicates of the alkali metals **[4, 2006.01]**
- 28/28 containing organic polyacids, e.g. polycarboxylate cements [4, 2006.01]
- 28/30 containing magnesium cements (magnesium oxide cements C04B 28/10) [4, 2006.01]
- 28/32 • Magnesium oxychloride cements, e.g. Sorel cement [4, 2006.01]
- containing cold phosphate binders [4, 2006.01]
- containing sulfur, sulfides or selenium [4, 2006.01]
- **30/00** Compositions for artificial stone, not containing binders (artificial stone from molten slag C04B 5/00) [4, 2006.01]
- 30/02 containing fibrous materials [4, 2006.01]
- **32/00** Artificial stone not provided for in other groups of this subclass (artificial stone from molten slag C04B 5/00) [4, 2006.01]
- 32/02 with reinforcements **[4, 2006.01]**

Ceramics

- 33/00 Clay-wares (monolithic refractories or refractory mortars C04B 35/66; porous products C04B 38/00) [1, 2, 2006.01]
- Preparing or treating the raw materials individually or as batches [1, 2006.01]
- 33/04 • Clay; Kaolin [1, 2006.01]
- 33/06 • Rendering lime harmless **[1, 2006.01]**
- 33/08 • • Preventing efflorescence **[1, 2006.01]**
- 33/10 • Eliminating iron or lime **[1, 2006.01]**
- 33/13 • Compounding ingredients (C04B 33/36, C04B 35/71 take precedence) [2, 2006.01]
- 33/132 • Waste materials; Refuse (C04B 33/16 takes precedence) [2006.01]
- 33/135 • • Combustion residues, e.g fly ash, incineration waste [2006.01]
- 33/138 • from metallurgical processes, e.g. slag, furnace dust, galvanic waste [2006.01]
- 33/14 • Colouring matters [1, 2006.01]
- 33/16 • Lean materials, e.g. grog, quartz [1, 2006.01]
- 33/18 • for liquefying the batches **[1, 2006.01]**
- 33/20 • for dry-pressing (C04B 33/13 takes precedence) [1, 2006.01]
- 33/22 Grog products [1, 2006.01]
- Manufacture of porcelain or white ware [1, 2006.01]
- 33/26 • of porcelain for electrical insulation [1, 2006.01]
- 33/28 Slip casting [1, 2006.01]
- 33/30 Drying methods [1, 2006.01]
- 33/32 Burning methods [1, 2006.01]
- 33/34 • combined with glazing [1, 2006.01]

33/36	• Reinforced clay-wares [2, 2006.01]	35/16 • • based on silicates other than clay [1, 6, 2006.01]
35/00	Shaped ceramic products characterised by their	35/18 • • • rich in aluminium oxide [1, 6, 2006.01]
33/00	composition; Ceramic compositions (containing free	35/185 • • • • Mullite [6, 2006.01]
	metal bonded to carbides, diamond, oxides, borides,	35/19 • • • • Alkali metal aluminosilicates, e.g.
	nitrides, silicides, e.g. cermets, or other metal	spodumene [6, 2006.01]
	compounds, e.g. oxynitrides or sulfides, other than as	35/195 • • • • Alkaline earth aluminosilicates, e.g.
	macroscopic reinforcing agents C22C); Processing	cordierite [6, 2006.01]
	powders of inorganic compounds preparatory to the	35/20 • • • rich in magnesium oxide [1, 6, 2006.01]
	manufacturing of ceramic products [1, 4, 2006.01]	35/22 • • • rich in calcium oxide [1, 6, 2006.01]
	Note(s) [3, 6]	35/26 • • based on ferrites [1, 2, 6, 2006.01]
	1. In this group, in the absence of an indication to	35/28 • • • with nickel oxide as the principal
	the contrary, compositions are classified	oxide [1, 2, 6, 2006.01] 35/30 • • • with zinc oxide [1, 2, 6, 2006.01]
	according to the constituent present in the highest	35/32 • • • with cobalt oxide as the principal
	proportion by weight.	oxide [1, 2, 6, 2006.01]
	2. In this group, magnesium is considered as an	35/34 • • • with zinc oxide [1, 2, 6, 2006.01]
	alkaline earth metal.	35/36 • • • with manganese oxide as the principal
	3. In this group, a composite is considered as a	oxide [1, 2, 6, 2006.01]
	sintered mixture of different powdered materials, other than sintering aids, the materials being	35/38 • • • • with zinc oxide [1, 2, 6, 2006.01]
	present as separate phases in the sintered product.	35/40 • • • with rare earth oxide [1, 2, 6, 2006.01]
	4. In this group, fine ceramics are considered as	35/42 • based on chromites (C04B 35/047, C04B 35/105
	products having a polycrystalline fine-grained	take precedence) [1, 2, 6, 2006.01]
	microstructure, e.g. of dimensions below 100	35/44 • • based on aluminates [1, 2, 6, 2006.01]
	micrometers.	35/443 • • • Magnesium aluminate spinel [6, 2006.01]
	5. The production of ceramic powder is classified in	35/447 • • based on phosphates [6, 2006.01]
	this group in so far as it relates to the preparation	35/45 • based on copper oxide or solid solutions thereof
25 /01	of powder with specific characteristics.	with other oxides [6, 2006.01]
35/01	based on oxides [6, 2006.01] based on magnesium oxide calcium oxide or	35/453 • • based on zinc, tin or bismuth oxides or solid
35/03	 based on magnesium oxide, calcium oxide or oxide mixtures derived from dolomite [6, 2006.01] 	solutions thereof with other oxides, e.g. zincates,
35/035	Refractories from grain sized mixtures	stannates or bismuthates [6, 2006.01]
33/033	containing non-oxide refractory materials, e.g.	35/457 • • • based on tin oxides or stannates [6, 2006.01]
	carbon [6, 2006.01]	35/46 • based on titanium oxides or titanates (containing
35/04	• • • based on magnesium oxide [1, 6, 2006.01]	also zirconium or hafnium oxides, zirconates or
35/043	Refractories from grain sized	hafnates C04B 35/49) [1, 6, 2006.01]
	mixtures [6, 2006.01]	35/462 • • • based on titanates [6, 2006.01]
35/047	• • • • containing chromium oxide or chrome ore [6, 2006.01]	35/465 • • • based on alkaline earth metal titanates [6, 2006.01]
35/05	• • • Refractories by fusion casting [6, 2006.01]	35/468 • • • • based on barium titanates [6, 2006.01]
	• • • Fine ceramics [6, 2006.01]	35/47 • • • • based on strontium titanates [6, 2006.01]
	• • • based on calcium oxide [6, 2006.01]	35/472 • • • based on lead titanates [6, 2006.01]
35/05/	based on oxide mixtures derived from	35/475 • • • based on bismuth titanates [6, 2006.01]
33700	dolomite [1, 2006.01]	35/478 • • • based on aluminium titanates [6, 2006.01]
35/08	• based on beryllium oxide [1, 6, 2006.01]	35/48 • • based on zirconium or hafnium oxides or
35/10	 based on aluminium oxide [1, 6, 2006.01] 	zirconates or hafnates [1, 6, 2006.01]
35/101	Refractories from grain sized	35/482 • • • Refractories from grain sized
307 101	mixtures [6, 2006.01]	mixtures [6, 2006.01]
35/103	• • • containing non-oxide refractory materials,	35/484 • • • Refractories by fusion casting [6, 2006.01]
	e.g. carbon (C04B 35/106 takes	35/486 • • • Fine ceramics [6, 2006.01]
	precedence) [6, 2006.01]	35/488 • • • Composites [6, 2006.01]
35/105	• • • containing chromium oxide or chrome ore [6, 2006.01]	35/49 • • • containing also titanium oxide or titanates [3, 6, 2006.01]
35/106		35/491 • • • based on lead zirconates and lead
557 100	(ZrSiO ₄) [6, 2006.01]	titanates [6, 2006.01]
35/107	• • Refractories by fusion casting [6, 2006.01]	35/493 • • • • containing also other lead
	• • • containing zirconium oxide or zircon	compounds [6, 2006.01]
	(ZrSiO ₄) [6, 2006.01]	35/495 • • based on vanadium, niobium, tantalum,
35/111	• • • Fine ceramics [6, 2006.01]	molybdenum or tungsten oxides or solid solutions
35/113	• • • based on beta-aluminium oxide [6, 2006.01]	thereof with other oxides, e.g. vanadates, niobates, tantalates, molybdates or tungstates [6, 2006.01]
35/115	Translucent or transparent	35/497 • • based on solid solutions with lead
	products [6, 2006.01]	oxide [6, 2006.01]
	• • • Composites [6, 2006.01]	35/499 • • • containing also titanates [6, 2006.01]
35/119	• • • • with zirconium oxide [6, 2006.01]	35/50 • based on rare earth compounds [1, 2006.01]
35/12	• based on chromium oxide (C04B 35/047,	35/505 • • based on yttrium oxide [6, 2006.01]
05.11	C04B 35/105 take precedence) [1, 6, 2006.01]	35/51 • based on compounds of actinides [2, 2006.01]
35/14	• • based on silica [1, 6, 2006.01]	

35/515 • based on non-oxides (C04B 35/50, C04B 35/51 take precedence) [6, 2006.01]	35/634	• • • • • Polymers (C04B 35/636 takes precedence) [6, 2006.01]
35/52 • based on carbon, e.g. graphite [1, 6, 2006.01]	35/636	Polysaccharides or derivatives
35/524 • • • obtained from polymer precursors, e.g. glass-		thereof [6, 2006.01]
like carbon material [6, 2006.01]	35/638	• • • • Removal thereof [6, 2006.01]
35/528 • • • obtained from carbonaceous particles with or without other non-organic	35/64	• Burning or sintering processes (C04B 33/32 takes precedence) [1, 6, 2006.01]
components [6, 2006.01]	35/645	• • • Pressure sintering [6, 2006.01]
35/532 • • • containing a carbonisable	35/65	• • • Reaction sintering of free metal- or free silicon-
binder [6, 2006.01]	337 33	containing compositions [3, 2006.01]
35/536 • • • based on expanded graphite [6, 2006.01]	35/653	• • Processes involving a melting step [6, 2006.01]
35/547 • • based on sulfides or selenides [6, 2006.01]	35/657	• • • for manufacturing refractories (C04B 35/05,
35/553 • • based on fluorides [6, 2006.01]		C04B 35/107, C04B 35/484 take
35/56 • • based on carbides [1, 4, 2006.01]		precedence) [6, 2006.01]
35/563 • • • based on boron carbide [6, 2006.01]	35/66	Monolithic refractories or refractory mortars,
35/565 • • • based on silicon carbide [6, 2006.01]		including those whether or not containing
35/567 • • • Refractories from grain sized		clay [1, 2006.01]
mixtures [6, 2006.01]		Note(s) [2006.01]
35/569 • • • • Fine ceramics [6, 2006.01]		Any ingredient of a refractory mortar composition
35/571 • • • • obtained from polymer		containing a hydraulic cement, e.g. aluminous cement,
precursors [6, 2006.01] 35/573 • • • • obtained by reaction		classified in group C04B 35/66, which is considered to
35/573 • • • • obtained by reaction sintering [6, 2006.01]		represent information of interest for search, may also be
35/575 • • • • obtained by pressure		classified in the last appropriate place in groups
sintering [6, 2006.01]		C04B 7/00-C04B 24/00. This can, for example, be the case when it is considered of interest to enable
35/576 • • • • obtained by sintering without		searching of compositions using a combination of
pressure [6, 2006.01]		classification symbols. Such non-obligatory
35/577 • • • • Composites [6, 2006.01]		classification should be given as "additional
35/58 • • based on borides, nitrides or		information". For example, such an additional
silicides [1, 4, 6, 2006.01]		classification in group C04B 24/00 may be given for an
35/581 • • • based on aluminium nitride [6, 2006.01]	35/71	organic retarder added to the mortar composition.
35/582 • • • Composites [6, 2006.01]	33//1	 Ceramic products containing macroscopic reinforcing agents (C04B 35/66 takes precedence) [3, 4, 2006.01]
35/583 • • • based on boron nitride [6, 2006.01]	35/74	 containing shaped metallic materials [2, 2006.01]
35/5831 • • • based on cubic boron nitride [6, 2006.01]	35/76	Fibres, filaments, whiskers, platelets, or the
35/5833 • • • based on hexagonal boron	33770	like [2, 2006.01]
nitride [6, 2006.01]	35/78	• • containing non-metallic materials [2, 2006.01]
35/5835 • • • Composites [6, 2006.01]	35/80	Fibres, filaments, whiskers, platelets, or the
35/584 • • • based on silicon nitride [6, 2006.01] 35/586 • • • • Refractories from grain sized		like [2, 2006.01]
35/586 • • • Refractories from grain sized mixtures [6, 2006.01]	35/81	• • • • Whiskers [6, 2006.01]
35/587 • • • Fine ceramics [6, 2006.01]	35/82	• • • • Asbestos; Glass; Fused silica [2, 2006.01]
35/589 • • • • obtained from polymer	35/83	Carbon fibres in a carbon
precursors [6, 2006.01]		matrix [6, 2006.01]
35/591 • • • • obtained by reaction		Note(s) [6]
sintering [6, 2006.01]		The products covered by this group are usually referred
35/593 • • • • obtained by pressure sintering		to as "carbon-carbon composites".
(C04B 35/594 takes	35/84	• • • Impregnated or coated materials [2, 2006.01]
precedence) [6, 2006.01]		
35/594 • • • • obtained by sintering a reaction-sintered	37/00	Joining burned ceramic articles with other burned
product, with or without pressure [6, 2006.01]		ceramic articles or other articles by
35/596 • • • • Composites [6, 2006.01]	27/02	heating [1, 2006.01]
35/597 • • • based on silicon oxynitrides [6, 2006.01]	37/02 37/04	• with metallic articles [1, 2006.01]
35/599 • • • based on silicon aluminium oxynitrides	3//04	• with articles made from glass [1, 2006.01]
(SIALONS) [6, 2006.01]		
35/622 • Forming processes; Processing powders of inorganic		
compounds preparatory to the manufacturing of	38/00	Porous mortars, concrete, artificial stone or ceramic
ceramic products [6, 2006.01]		ware; Preparation thereof (treating slag with gases or
35/624 • • Sol-gel processing [6, 2006.01]		gas generating material C04B 5/06) [4, 6, 2006.01]
35/626 • • Preparing or treating the powders individually or		Note(s) [4]
as batches [6, 2006.01]		Porous mortars, concrete, artificial stone or ceramic
35/628 • • • Coating the powders [6, 2006.01]		ware characterised by the ingredients or compositions
35/63 • • using additives specially adapted for forming the products [6, 2006.01]		are also classified in groups C04B 2/00-C04B 35/00.
35/632 • • • • Organic additives [6, 2006.01]	38/02	 by adding chemical blowing agents [4, 2006.01]
55/ 652 5 5 5 6 Organic adultives [0, 2000,01]	38/04	• by dissolving-out added substances [4, 2006.01]

38/06	 by burning-out added substances [4, 2006.01] 	41/72	• • involving the removal of part of the materials of
38/08	 by adding porous substances [4, 2006.01] 		the treated articles, e.g. etching [4, 2006.01]
38/10	 by using foaming agents (C04B 38/02 takes 	41/80	 of only ceramics [4, 2006.01]
	precedence) [4, 2006.01]	41/81	 Coating or impregnating [4, 2006.01]
		41/82	• • • with organic materials [4, 2006.01]
40/00	Processes, in general, for influencing or modifying	41/83	• • • Macromolecular compounds [4, 2006.01]
	the properties of mortars, concrete or artificial stone compositions, e.g. their setting or hardening ability (by selecting active ingredients C04B 22/00-C04B 24/00; hardening of a well-defined composition	41/84	 Compounds having one or more carbon-to-metal or carbon-to-silicon linkages [4, 2006.01]
	C04B 26/00-C04B 28/00; making porous, cellular or	41/85	• • • with inorganic materials [4, 2006.01]
	lightening C04B 38/00) [4, 6, 2006.01]	41/86	• • • • Glazes; Cold glazes [4, 2006.01]
40/02	• Selection of the hardening environment [4, 2006.01]	41/87	• • • Ceramics [4, 2006.01]
40/04	 Preventing evaporation of the mixing water 	41/88	• • • • Metals [4, 2006.01]
	(permanent coverings C04B 41/00) [4, 2006.01]	41/89	 for obtaining at least two superposed coatings
40/06	 Inhibiting the setting, e.g. mortars of the deferred action type containing water in breakable 	41/90	having different compositions [4, 2006.01]• • • at least one coating being a
	containers [4, 2006.01]		metal [4, 2006.01]
41/00	After-treatment of mortars, concrete, artificial stone or ceramics; Treatment of natural stone (glazes, other than cold glazes, C03C 8/00) [1, 3, 2006.01]	41/91	 involving the removal of part of the materials of the treated articles, e.g. etching [4, 2006.01]
	Note(s) [4, 6]		scheme associated with groups C04B 22/00 and
			/00, relating to the function or property of the active
	 In this group, the following terms or expressions are used with the meanings indicated: 	<u>ingredie</u>	nts. [6]
	 "mortars", "concrete" and "artificial stone" cover materials after primary shaping. 	103/00	Function or property of the active ingredients [6, 2006.01]
	2. Treating, e.g. coating or impregnating, a material		
	with the same material or with a substance which		
	ultimately is transformed into the same material is	103/10	 Accelerators [6, 2006.01]
	not considered after-treatment for this group but is classified as preparation of the material, e.g. a	103/12	 Set accelerators [6, 2006.01]
	carbon body impregnated with a carbonisable	103/14	 Hardening accelerators [6, 2006.01]
	substance is classified in C04B 35/52.	103/20	• Retarders [6, 2006.01]
	3. In groups C04B 41/45-C04B 41/80, the last place	103/22	• • Set retarders [6, 2006.01]
	priority rule is applied, i.e. at each hierarchical	103/24	• • Hardening retarders [6, 2006.01]
	level, in the absence of an indication to the	103/30	Water reducers, plasticisers, air-
	contrary, classification is made in the last appropriate place.	102/22	entrainers [6, 2006.01]
41/45	 Coating or impregnating [4, 2006.01] 	103/32	• • Superplasticisers [6, 2006.01]
41/46	 with organic materials [4, 2006.01] 	103/40 103/42	Surface-active agents; Dispersants [6, 2006.01]Pore formers [6, 2006.01]
41/47	• • • Oils, fats or waxes [4, 2006.01]	103/42	Thickening, gelling or viscosity increasing
41/48	• • • Macromolecular compounds [4, 2006.01]	105/44	agents [6, 2006.01]
41/49	Compounds having one or more carbon-to-	103/46	Water-loss reducers, hygroscopic or hydrophilic
71/75	metal or carbon-to-silicon linkages [4, 2006.01]	105/ 10	agents [6, 2006.01]
41/50	 with inorganic materials [4, 2006.01] 	103/48	 Foam stabilisers [6, 2006.01]
41/51	• • • Metallising [4, 2006.01]	103/50	• Defoamers; Air detrainers [6, 2006.01]
41/52	 Multiple coating or impregnating [4, 2006.01] 	103/52	 Grinding aids [6, 2006.01]
41/53	 involving the removal of part of the materials of the 	103/54	• Pigments; Dyes [6, 2006.01]
	treated article [4, 2006.01]	103/56	 Opacifiers [6, 2006.01]
41/60	• of only artificial stone [4, 2006.01]	103/60	Agents for protection against chemical, physical or
41/61	• • Coating or impregnating [4, 2006.01]	100/01	biological attack [6, 2006.01]
41/62	• • • with organic materials [4, 2006.01]	103/61	• • Corrosion inhibitors [6, 2006.01]
41/63	• • • Macromolecular compounds [4, 2006.01]	103/63	• • Flame-proofing agents [6, 2006.01]
41/64	• • • Compounds having one or more carbon-to-	103/65	• • Water proofers or repellants [6, 2006.01]
	metal or carbon-to-silicon	103/67	• • Biocides [6, 2006.01]
41/65	linkages [4, 2006.01] • • • with inorganic materials [4, 2006.01]	103/69	• • • Fungicides [6, 2006.01]
41/65	• • • • Fluorides, e.g. ocratation [4, 2006.01]		
41/67	• • • • Phosphates [4, 2006.01]	Indexing	scheme associated with groups C04B 26/00-
41/67	• • • • Silicic acid; Silicates [4, 2006.01]		/00, relating to the function, property or use of the
41/69	• • • • Metals [4, 2006.01]		concrete or artificial stone. [6]
41/70	 for obtaining at least two superposed coatings having different compositions [4, 2006.01] 	111/00	Function, property or use of the mortars, concrete o
41/71	• • • at least one coating being an organic		artificial stone [6, 2006.01]
11,71	material [4, 2006.01]		

111/10	 Compositions characterised by the absence of a 	111/42	 Floating materials [6, 2006.01]
111/10	1		
	specified material [6, 2006.01]	111/50	 Flexible or elastic materials [6, 2006.01]
111/12	 Absence of asbestos, e.g. cement-asbestos 	111/52	 Sound insulating materials [6, 2006.01]
	substitutes [6, 2006.01]	111/54	 Substitutes for natural stone, e.g. artificial
111/20	 Resistance against chemical, physical or biological 		marble [6, 2006.01]
	attack [6, 2006.01]	111/56	 Compositions suited for fabrication of pipes, e.g. by
111/21	• • Efflorescence resistance [6, 2006.01]	111/30	1 11 , 0 ,
			centrifugal casting [6, 2006.01]
111/22	 Carbonation resistance [6, 2006.01] 	111/60	 Flooring materials [6, 2006.01]
111/23	 Acid resistance [6, 2006.01] 	111/62	 Self-levelling compositions [6, 2006.01]
111/24	 Sea water resistance [6, 2006.01] 	111/70	• Grouts [6, 2006.01]
111/25	• • Graffiti resistance [6, 2006.01]	111/72	 Compositions used for repairing existing buildings or
111/26	• • Corrosion of reinforcement resistance [6, 2006.01]		building materials [6, 2006.01]
111/27	 Water resistance, i.e. waterproof or water repellant 	111/74	 Underwater applications [6, 2006.01]
	materials [6, 2006.01]	111/76	 Use at sub-zero temperatures [6, 2006.01]
111/28	• • Fire resistance [6, 2006.01]	111/80	 Optical properties, e.g. transparency [6, 2006.01]
111/30	 Nailable or sawable materials [6, 2006.01] 	111/82	 Coloured materials [6, 2006.01]
111/32	 Expansion inhibited materials [6, 2006.01] 	111/90	• Electrical properties [6, 2006.01]
111/34	 Non-shrinking materials [6, 2006.01] 	111/92	• • Electrically insulating materials [6, 2006.01]
111/40	 Porous or lightweight materials [6, 2006.01] 	111/94	• • Electrically conducting materials [6, 2006.01]