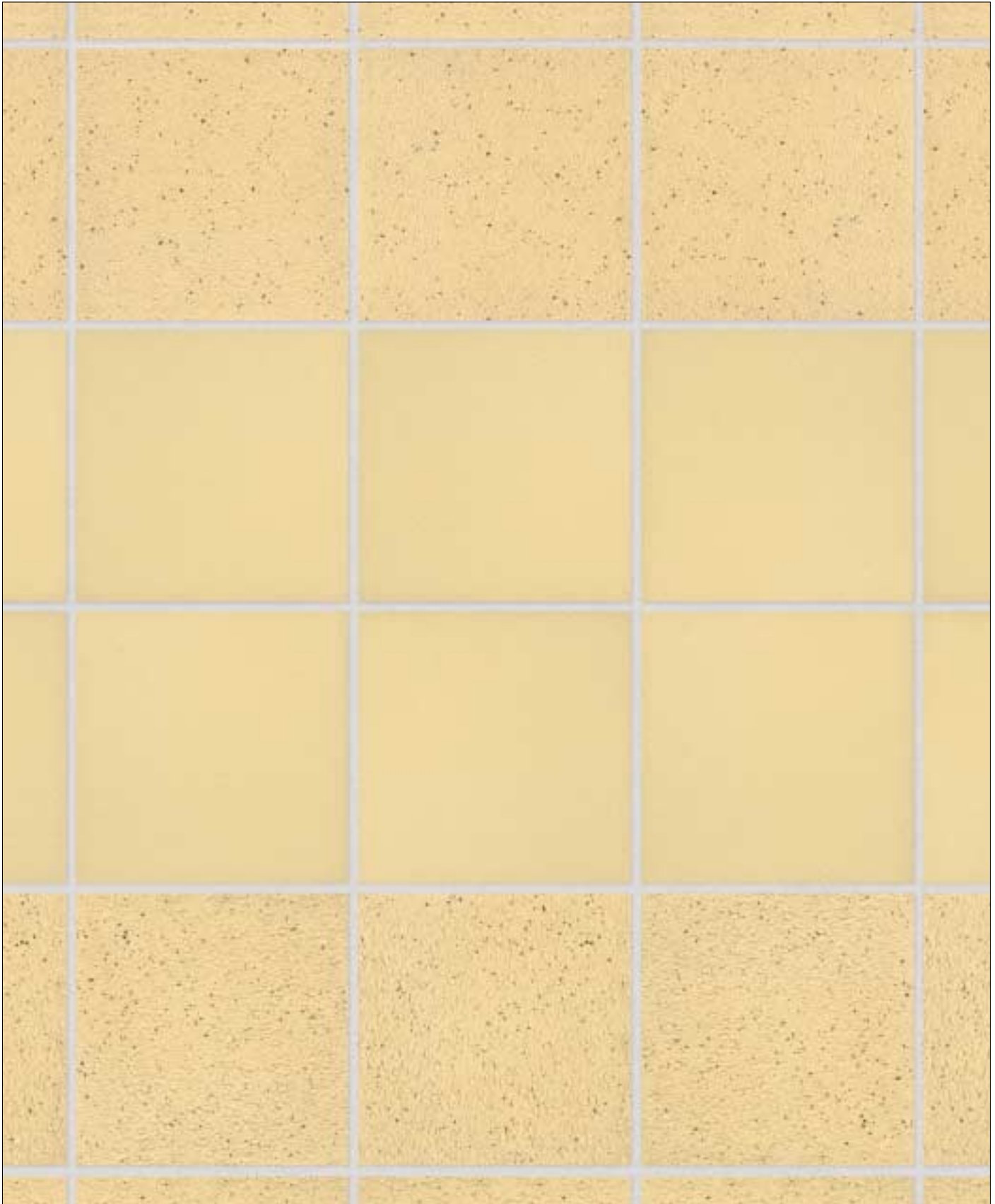


CC Höganäs Building Ceramics

Industrial paving tiles, dry-pressed series "500"
and extruded, unglazed series "1050, 1850, 5350, 8050"



Product data
No. B 16005 Eng
May 97



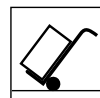
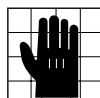
Tiles No. 500 FK yellow ,500 yellow and 500 GK yellow.



Serie 5350
Serie 8050



FK, GK,
GKX





Technical data

Dry-pressed tiles series "500" conforming to European Standard EN 176, extruded tiles series "1050, 1850, 5350, 8050" conforming to European Standard EN 121, and the International Standard ISO 13006.

Dry-pressed tiles

Water absorption, EN 99	"500" series smooth surface 2.0–3.0%	"500" series structured surface 2.0–3.0%	1035:4–1058:4 0.5–1.0%
Modules of rupture, EN 100	25–30 N/mm ² (250–300 kp/cm ²)	25–30 N/mm ² (250–300 kp/cm ²)	30–35 N/mm ² (300–350 kp/cm ²)
Hardness, Moh's scale, EN 101	6	6	6
Abrasion, dry, EN 102 (max. according to norm)	120 mm ³ (205 mm ³)	70–80 mm ³ (205 mm ³)	150 mm ³ (300 mm ³)
Coefficient of thermal expansion (20-100°C), EN 103	Appr. 5.0x10 ⁻⁶ K ⁻¹	Appr. 5.0x10 ⁻⁶ K ⁻¹	5.4x10 ⁻⁶ K ⁻¹
Coeff. of friction, dry, acc to Tortus	0.60 (R10)	0.80–0.85 (R13)	-

Extruded tiles

Water absorption, EN 99	"1050" series 0.5–1.0%	"1850" series 1.8–2.3%	"5350" and "8050" series 0.1–0.5%
Modules of rupture, EN 100	30–35 N/mm ² (300–350 kp/cm ²)	25–35 N/mm ² (250–350 kp/cm ²)	30–35 N/mm ² (300–350 kp/cm ²)
Hardness, Moh's scale, EN 101	6	6	6–7
Abrasion, dry, EN 102 (max. according to norm)	150 mm ³ (300 mm ³)	185 mm ³ (300 mm ³)	95 mm ³ (300 mm ³)
Coefficient of thermal expansion (20-100°C), EN 103	5.4x10 ⁻⁶ K ⁻¹	5.4x10 ⁻⁶ K ⁻¹	6.5x10 ⁻⁶ K ⁻¹
Coeff. of friction, dry, acc to Tortus	0.60–0.65 (R10)	0.70–0.75 (R11)	0.70–0.75 (R11)

Series "500", dry-pressed, unglazed

Type, dim. in mm (measurements acc. to EN 98)	500	507 ●	508 ●	1035:4	1038:4	1058:4
Tile type	Field	Bevelled tiles	Bevelled tiles	Cove skirting	External angle	Internal angle
Surface	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth
Colour	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Tiles/m ²	42	-	-	-	-	-
Tiles/m ¹	-	6.5	-	6.5	-	-
Kg/tile	0.95	0.95	0.95	0.50	0.12	0.12
Kg/m ²	39.9	-	-	-	-	-
Kg/m ¹	-	6.2	-	3.25	-	-

Type, dim. in mm (measurements acc. to EN 98)	500 FK	500 GK	507 GK ●	508 GK ●	500 GKX ▲
Tile type	Field	Field	Bevelled tiles	Bevelled tiles	Field with studs
Surface	Fine	Rough	Rough	Rough	Rough
Colour	Yellow	Yellow	Yellow	Yellow	Yellow
Tiles/m ²	42	42	-	-	42
Tiles/m ¹	-	-	6.5	-	-
Kg/tile	0.95	0.95	0.95	0.95	1.00
Kg/m ²	39.9	39.9	-	-	42.0
Kg/m ¹	-	-	6.2	-	-

● Normally not in stock. Produced after order.

▲ Special tile. Min. quantity= 200 m².

Series "1050", "1850", "5350" and "8050", extruded, unglazed

Type, dim. in mm (measurements acc. to EN 98)	1050	1052	1850	5350	8050
Tile type	Field	Rounded edge/long	Field	Field	Field
Colour	Yellow	Yellow	Yellow	Blue-brown	Ivory
Tiles/m ²	41	-	41	41	41
Tiles/m ¹	-	4.6	-	-	-
Kg/tile	0.91 (1050) 0.53 (1050/12)	0.91	0.91	0.91	0.70
Kg/m ²	37.3 (1050) 21.7 (1050/12)	-	37.3	37.3	28.7
Kg/m ¹	-	4.2	-	-	-

Type, dim. in mm (measurements acc. to EN 98)	1055:4	8015:4	1038:4	1058:4
Tile type	Cove skirting	Cove skirting	External angle	Internal angle
Colour	Yellow (1055:4, 1855:4) Blue-brown (5355:4)	Ivory	Yellow (1038:4, 1838:4) Blue-brown (5338:4) Ivory (8038:4)	Yellow (1058:4, 1858:4) Blue-brown (5358:4) Ivory (8018:4)
Tiles/m ¹	4.6	5	-	-
Kg/tile	0.70	0.60	0.12	0.12
Kg/m ¹	3.2	3.0	-	-

Product description

Raw materials, manufacture

CC Höganäs dry-pressed tiles are made from selected pulverized clays. Cove skirting tiles and angle tiles are shaped from wet clay. CC Höganäs extruded tiles are formed by extrusion. Yellow tiles are made of stoneware clays that turn yellow when fired. The colour is obtained without addition of pigments. Blue-brown and Ivory tiles are made of clays that become light in colour when fired, the colour is obtained by adding metal oxides to the stoneware clay. The addition of chamotte gives the surface of the tiles a slight texture. The tiles are extruded and then fired in a tunnel kiln. The addition of chamotte gives the surface of the tiles a slight texture. Because of firing, slight variations from the standard colour are unavoidable.

Grading and inspection

	Dry-pressed SS-EN 176 Group B1, $190 < S \leq 410 \text{ cm}^2$
Length and width	$\pm 0,75\%$
Thickness	$\pm 5,0\%$
Straightness of sides	$\pm 0,5\%$
Rectangularity	$\pm 0,6\%$
Surface flatness	$\pm 0,5\%$

	Wet-pressed SS-EN 121. Group A1
Length and width	$\pm 1,25\%$
Thickness	$\pm 10\%$
Straightness of sides	$\pm 0,5\%$
Rectangularity	$\pm 1,5\%$
Surface flatness	$\pm 0,5\%$

Frost resistance

Tiles in series "500" are frostproof on vertical surfaces, on condition that they are laid in accordance with our instructions. They are not frostproof when laid in cement mortar on exposed horizontal surfaces outdoors, e.g. on terraces.

Series "1050" and "1850" are frostproof on vertical surfaces, on condition that they are laid in accordance with our instructions. They are not frostproof when laid in cement mortar on exposed horizontal surfaces outdoors.

Series "5350" and "8050" are frostproof.

Recommendation for use

Dry-pressed tiles

Dry pressed tiles with smooth surface are used where there is no risk of slipping i.e. floors kept dry and clean. The tiles with anti-skid surface are used for floors exposed to water or oil spillage. "500" series should be selected in industrial premises for floors that are exposed to heavy mechanical wear from trucks and heavy trolleys with hard wheels e.g. in slaughterhouses, breweries, dairies and food factories.

Grout with a high pigment content should not be used with tiles with textured surface.

Extruded tiles

These unglazed tiles can be used for both floors and walls. The properties of these tiles make them particularly suitable for floors that combine durability, resistance to chemicals, ease of cleaning and a non-slip surface, e.g. in industrial facilities, chemical factories, dairies, breweries and warehouses, laundries, boiler rooms, fire stations, etc.

These tiles can be used both indoors and outdoors. The limits imposed by the frost resistance of the tiles must be considered in connection with outdoor applications.

Tiles with a thickness of 12 mm can be used for floors on which traffic is restricted to pedestrians only and light trolleys with soft wheels. Tiles with a thickness of 15 and 19 mm should be selected for floors that are exposed to heavy mechanical wear in the form of trucks and heavy trolleys with hard wheels and wheel pressure exceeding 600 kp.