

COLORMAT BANDO FAÇADE PANELS

Technical product datasheet

1. PRODUCTION

Colormat panels are manufactured from a homogeneous mixture of Portland cement, selected reinforcement fibres, additives and water. This mixture is transmitted in thin layers under constant pressure to a format roller by means of a sieve cylinder machine (Hatschek) until the required panel thickness is obtained. After the pressing process the panels are autoclaved.

The Colormat panels are characterised by their natural appearance. Because differences in colour are possible, we suggest to order the panels for a continuous facade in one time, such to minimize the differences. However the uniformity of the colour cannot be guaranteed. Also the presence of small variations (inclusions) in the panel surface belongs to the normal aspect of the panel and cannot be considered as a shortcoming.

With Colormat Bando it is important not to fasten screws or rivets in the panel grooves, the screws and rivets must always be fastened on the strips taking into account the minimal and maximal distances for Colormat (see technical data).

SVK is entitled to remove or add colours without prior warning.

2. COLORMAT BANDO CLASSIC

2.1 FINISHING AND COLOUR RANGE

The Colormat Bando Classic 10 mm panels are coloured through-and-through and are slightly sanded. This sanding process results in the appearance of a slight superficial line pattern. Sanding makes the panels directional. The direction is noted by the direction of the production stamp on the back side of the panels. Grooves are beaded in the longitudinal direction of the panels, 2 mm deep and 8 mm wide creating strips 145,5 mm wide. The panels are finished with a transparent impregnation on both sides making the panels hydrophobic. Colormat Bando Classic has a nuanced, natural appearance typical of fibre cement.



2.2 COLORMAT BANDO CLASSIC BASIC



H401 Jasmine



H402 Slate



H403 Storm



H404 Charcoal

2.3 COLORMAT BANDO CLASSIC PROJECT



H405 Natural



H406 Camel



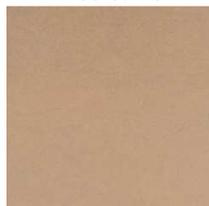
H407 Daybreak



H408 Chestnut



H409 Sunset



H410 Earth



H411 Raspberry



H412 Champagne

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3. COLORMAT BANDO SCRIPTO

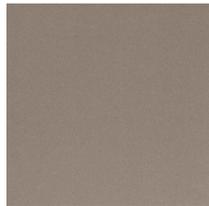
3.1 FINISHING AND COLOUR RANGE

The Colormat Bando Scripto 10 mm panels are coloured through-and-through and have a unique look by additional sanding. This sanding process results in the appearance of a clear line pattern. Sanding makes the panels directional. The direction is noted by the direction of the production stamp on the back side of the panels. Grooves are beaded in the longitudinal direction of the panels, 2 mm deep and 8 mm wide creating strips 145,5 mm wide. The panels are finished with a transparent impregnation on both sides making the panels hydrophobic. Colormat Bando Scripto has a nuanced, natural appearance typical of fibre cement.

3.2 COLORMAT BANDO SCRIPTO BASIC



S401 Jasmine



S402 Slate



S403 Storm



S404 Charcoal

3.3 COLORMAT BANDO SCRIPTO PROJECT



S405 Natural



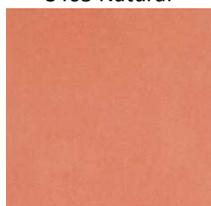
S406 Camel



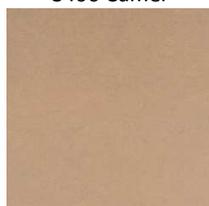
S407 Daybreak



S408 Chestnut



S409 Sunset



S410 Earth



S411 Raspberry



S412 Champagne

4. DIMENSIONS AND TOLERANCES

Colormat is delivered squared.

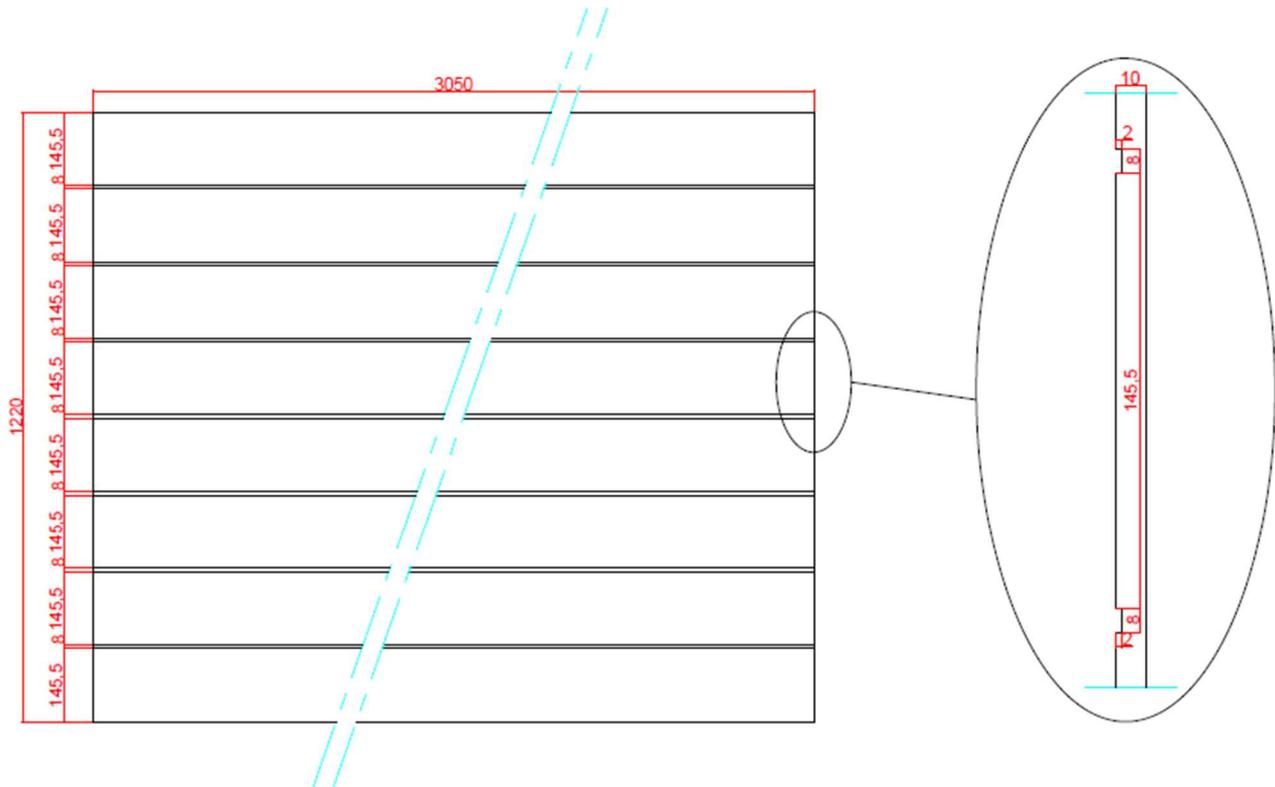
The panels meet the requirements of **Tolerance Level I** as per norm EN 12467.

Dimensions	Squared
Standard formats	3.050 x 1.220 mm
	2.500 x 1.220 mm
Thickness	10 mm
Depth groove	2 mm
Width groove	8 mm
Width strips	145,5 mm

Tolerances Colormat Bando	Squared
Length	± 2 mm
Width	± 2 mm
Depth groove	± 0,5 mm
Width groove	± 0,2 mm
Straightness	0,1 %
Squareness	2 mm/m
Thickness	± 10 % e

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5. TECHNICAL CHARACTERISTICS

Colormat panels comply with the prescriptions of European standard EN 12467 “Fibre-cement flat panels – Product specification and test methods”.

Physical characteristics		Norm
Density – oven dry	$\geq 1.600 \text{ kg/m}^3$	EN 12467
Bending strength	Class 5 ($\geq 24 \text{ MPa}$)	EN 12467
Modulus of Elasticity (wet)	13.000	EN 12467
Moisture movement (30-90 %) \perp	0,7 mm/m	EN 12467
Moisture movement (30-90 %) //	0,8 mm/m	EN 12467
Water impermeability	no water drops	EN 12467

Durability		
Class	A	EN 12467
Resistance to frost	$R_L \geq 0,75$	EN 12467
Resistance to warm water	$R_L \geq 0,75$	EN 12467
Resistance to wet-dry	$R_L \geq 0,75$	EN 12467
Resistance to heat rain	pass	EN 12467

Reaction to fire		
Fire reaction class	A2-s1, d0	EN 13501-1

Weight	$\pm 18,0 \text{ kg/m}^2$
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Weight per panel	
2.500x1.220mm	$\pm 54,90 \text{ kg}$
3.050x1.220mm	$\pm 66,98 \text{ kg}$

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6. TRANSPORTATION, STORAGE AND HANDLING

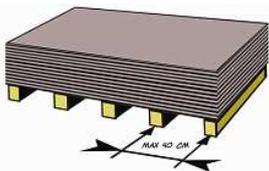
- a. SVK Colormat facade panels are **supplied on pallets, wrapped in foil**. This foil does not provide sufficient protection from weather conditions (rain, condensation and bright sunlight). The panels must be protected until they are installed.

Respect closely the next prescriptions:

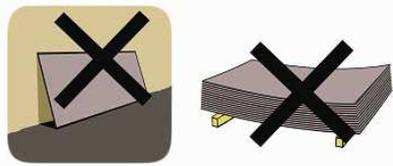
- SVK Colormat facade panels must be transported under a watertight canvas.
 - The panels must be stored indoors.
 - Limit the storage period on site to the time that is needed to execute the work and keep the packaging closed until the moment the panels will be installed. If it is impossible to store the panels inside, carefully cover the panels with a vapor-open, watertight canvas and protect them from precipitation and heavy sunshine. Also prevent the panels from becoming wet or dirty due to condensation, water absorption, dust or any other kind of pollution.
 - In case the panels have become wet in the package, dry them as soon as possible. Panels that are stored in wet conditions are not covered by our guarantee policy.
- b. Colormat panels are always stored horizontally, on an even and dry subsoil, clear of the ground.
- Use racks, pallets or supporting laths with a maximal distance of 400mm.
 - The panels must be supported sufficiently so that they cannot deform. Maximum 3 pallets stacked on each other.
- c. During the packing of the Colormat panels SVK protects the finished surface of the panels by placing a protective foil between the panels. The upper panel faces downwards, all other panels face upwards.
- Always leave this foil between the panels, until the moment they are installed.
 - In case the panels are restacked, always replace the protective foil between the panels.
- d. **Be careful** when transporting or handling the panels, in order not to damage the decorative finishing layer.
- Lift the panels with two people, without dragging them or moving them over the panel below.
 - Carry them in a vertical position.
 - Avoid staining and wear woolen gloves when lifting the panels.
 - Avoid stains of glue, silicone, polyurethane foam as these can leave irremovable stains.
 - Do not stick labels, tape of any type of adhesive tape on the decorative surface of the panels. These can leave glue residue on the panel and could affect the decorative surface. Surface where the hydrophobing agent is damaged will be visible as this location will absorb more moisture than the remaining part where the hydrophobing agent is intact.
- e. Whilst transporting and handling Colormat facade panels, the legislation related to mobile work equipment for hauling and lifting loads must be respected at all times.



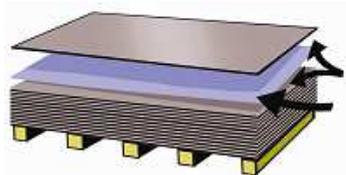
a.



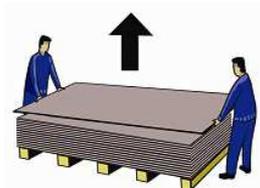
b.



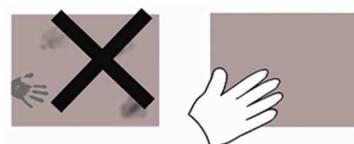
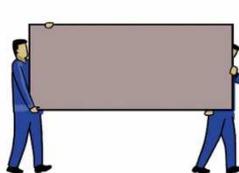
c.



d.



d.



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7. QUALITY



ETA
14/0284

8. SPECIFIC ADVANTAGES OF COLORMAT

- Resistant to micro-organisms, fungi, microbes, insects etc.
- Non-combustible, limited smoke production.

9. GUARANTEE

SVK provides a guarantee on the Colormat panels if the materials are handled according to the best practice of the trade and conform with our given prescriptions regarding storage, handling and cleaning and this is for normal use in a normal atmospherical environment.

Tampering of the Colormat panels and fastening of objects on the Colormat panels fall beyond the guarantee domain of the panels. Please apply for our specimen guarantee certificate in case you wish to obtain further details.