

DECOBOARD FAÇADE PANELS

Technical product datasheet

1. PRODUCTION

Decoboard 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. The panels are double pressed and harden at least 4 weeks under normal atmospheric conditions. Subsequently they are extra dried to minimize the dimensional movements.

2. SURFACE FINISHING AND EDGE TREATMENT

The front side of the Decoboard panels is finished with a high-quality and durable water based acrylic paint system with a uniform matt look and an enhanced UV resistance. A water based coloured protection layer is applied on the backside of the Decoboard panels.

The panel edges are not coloured.

- Decoboard Classic: after sawing the edges of the panels can be treated if desired for aesthetical reasons by the SVK Protector edge paint.
- Decoboard Pure: Treat all edges and holes with SVK Protector colourless or an equivalent impregnator to avoid discolouration of the edges by moisture absorption.

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

3. COLOUR RANGE DECOBOARD CLASSIC

The Decoboard Classic range consists of 4 standard colours.

The colour deviation is measured according CieLab. The tolerance is: $\Delta E^* \pm 1,00$.

3.1 BASIC



DCL01 White



DCL02 Mid grey



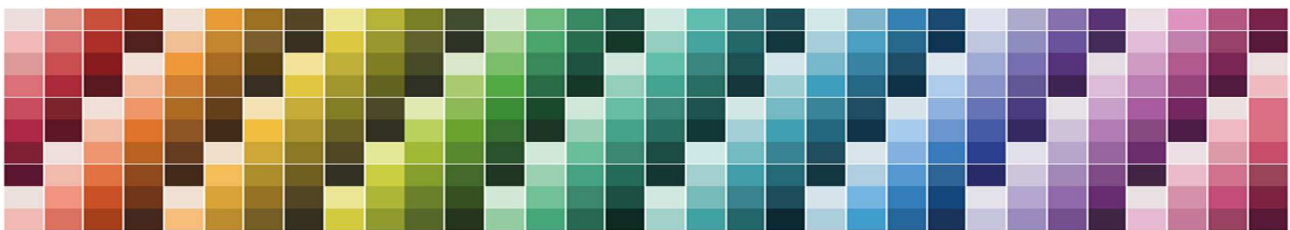
DCL03 Grey



DCL04 Black

3.2 INSPIRATION

For larger quantities, Decoboard Classic is also available in the Inspiration range in almost all RAL and NCS colours.



4. COLOUR RANGE DECOBOARD PURE

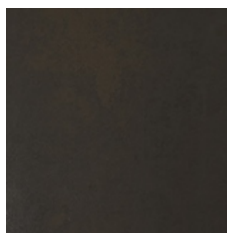
The Decoboard Pure range is semi-transparent finished. The cement structure remains in greater or lesser extent visible through the finishing layer. The panels are directional, the tint of the panels is not uniform and can slightly differ between panels. SVK strongly recommends treating all edges and drilling holes with SVK colourless protector or an equivalent impregnator to reduce the risk of discoloration by moisture. SVK colourless protector is available on request.



DPU01 Gale



DPU02 Burst



DPU03 Thunder

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5. DIMENSIONS AND TOLERANCES

Decoboard panels are delivered squared or non-squared.
Non-squared panels must be squared before installation.
The squared panels meet the requirements of Tolerance Level I as per norm EN 12467.
For Tolerance Level II (non-squared) see norm EN12467.

Dimensions	Squared	Non-squared
Standard formats	3.070 x 1.220 mm	3.085 x 1.235 mm
	2.520 x 1.220 mm	2.535 x 1.235 mm
Thickness	8 mm	8 mm

Tolerances Decoboard	Squared
Length	± 1,5 mm
Width	± 1,5 mm
Straightness	0,1 %
Squareness	2 mm/m
Thickness	± 10 % e

6. TECHNICAL CHARACTERISTICS

Decoboard 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	≥ 1.700 kg/m ³	EN 12467
Bending strength	Class 5 (≥ 24 MPa)	EN 12467
Modulus of Elasticity (wet)	14.000 MPa	EN 12467
Moisture movement (30-90 %) ⊥	0,7 mm/m	EN 12467
Moisture movement (30-90 %) //	0,6 mm/m	EN 12467
Water impermeability	no water drops	EN 12467

Durability		
Class	A	EN 12467
Resistance to frost	R _f ≥ 0,75	EN 12467
Resistance to warm water	R _w ≥ 0,75	EN 12467
Resistance to wet-dry	R _w ≥ 0,75	EN 12467
Resistance to heat rain	Pass	EN 12467

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

Weight	± 14,6 kg/m ²
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Weight per panel	
2.535x1.235mm	± 45,71 kg
3.085x1.235mm	± 55,63 kg

7. QUALITY



Produits bardage rapportés
<http://evaluation.cstb.fr>

CSTB
84 avenue Jean Jaurès -
Champs sur Marne
F-77447 Marne-la-Vallée



ETA 14/0284



Ornimat, Decoboard, Puro Plus
2.2/14-1645_V1 publiée 18/07/2017

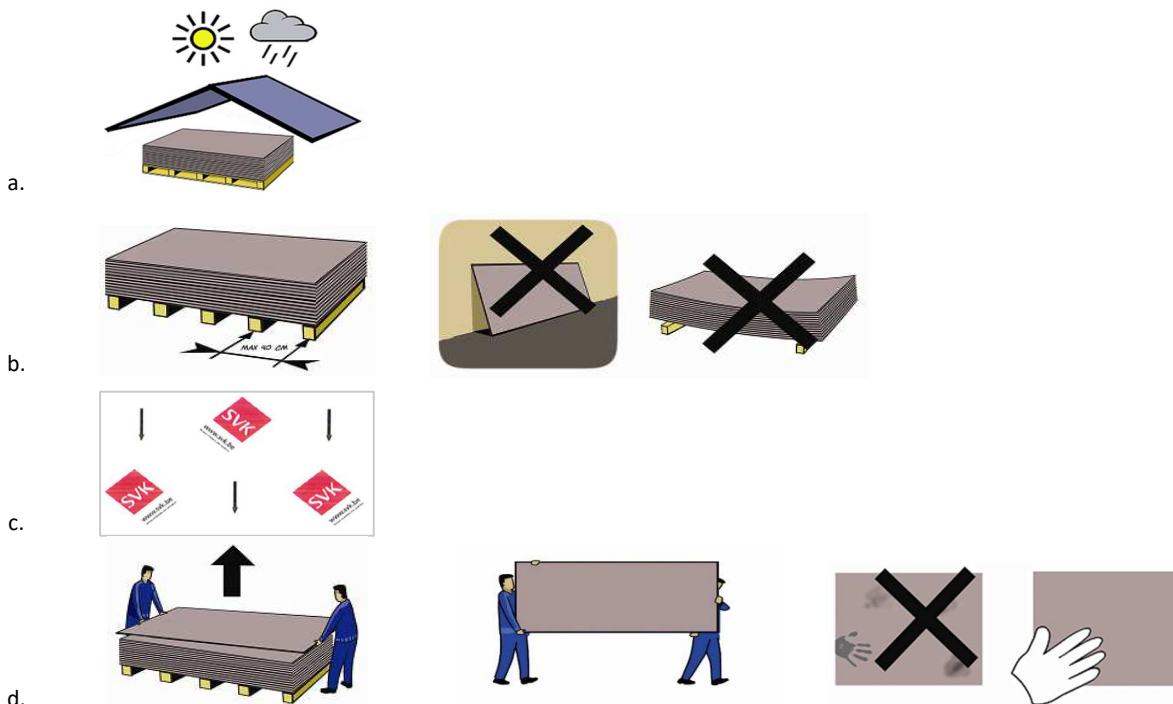


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8. TRANSPORTATION, STORAGE AND HANDLING

- a. SVK Decoboard 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 Decoboard 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. Decoboard 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. SVK protects the finished surface of the Decoboard panels by placing a protective adhesive foil on the front side of the panel
- The production direction is shown on the foil.
 - The foil protects the panels against pollution and damage during transport, storage and handling. Despite the protective foil additional care must be taken:
 - Avoid big temperature fluctuations. Especially heat can affect the foil.
 - Limit the storage period.
 - Remove the protective foil:
 - For visible fixing systems before the panels are framed.
 - For invisible fixing systems directly after the panels are placed.
 - If the foil is exposed to the weather conditions (heat, rain, condensation) for a prolonged duration the foil could bubble up with the risk of water/condensation infiltrating between the foil and surface which could lead to stains on the panel surface.
- 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 woollen 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.
- e. Whilst transporting and handling Decoboard facade panels, the legislation related to mobile work equipment for hauling and lifting loads must be respected at all times.



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9. SPECIFIC ADVANTAGES OF DECOBOARD

- Environmentally sound water-based painting system.
- Chemical resistance: resistant to alkalis and diluted acids.
- Resistant to micro-organisms, fungi, microbes, insects etc.
- Non-combustible, limited smoke production.

10. GUARANTEE

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