

SURFORMA® 3Design Compact

Surface molding compact for interior vertical applications in dry environments

DRAFT

DESCRIPTION

SURFORMA® 3Design Compact is an innovative material that combines the high surface performance of a traditional HPL Compact with the surface molding capability.

The primary advantage of the Surforma 3Design Compact is its ability to be molded into three-dimensional shapes, making it ideal for use in furniture elements and wall claddings.

Its distinct aesthetic, with textured and raised surfaces, can transform the look of the space while providing greater durability and resistance to everyday use.

Its versatility and resilience expand its potential applications, opening new opportunities in interior design offering high levels of customization for modern and bold spaces.

SURFORMA® 3Design Compact materials are available in a variety of colours, patterns and surface textures of NATUR range, providing extensive options for architects and designers.

Disclaimer: Natural fibers may show a slight differences in tone between batches

Please check offer & service brochure for information on sizes and thicknesses available.

APPLICATIONS

In addition to sophistication and elegance, natural materials in 3D shapes provide a warm and welcoming ambience.

SURFORMA® 3Design Compact is ideally suited for public either residential spaces in a variety of applications including wall cladding, interior fittings, partitions, doors and furniture. Recommended for a wide range of interior designs in sectors such residential, hospitality and commercial applications.

PROPERTIES



ANTI-STATIC



DIMENSIONAL
STABILITY



3D SHAPES



EASY TO MILL



DEEP
ROUTERING

RECOMMENDATIONS

The advice and recommendations are of advisory nature only

Handling & Storage

Surforma® 3Design Compact should be stored in a normal room climate, i.e., at approx. 18-25 °C and 50-65 % relative humidity, so they are protected from moisture, humidity and direct sunlight. The compacts should preferably be store flat in horizontal racks.

When handling or moving decorative laminates it is important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other.

The 3Design Compact is supplied with a separative layer between each other. It is recommended to let it for protection during the handling, transport and storage.

SURFORMA® 3Design Compact

Surface molding compact for interior vertical applications in dry environments

DRAFT

Maintenance & Cleanning

SURFORMA® 3Design Compact require no special maintenance. Always clean with gentle movements.

To remove dust, a vacuum can be used.

The surface can be cleaned with warm water followed by wiping with a paper towel or soft cloth. This procedure must be applied to the entire surface of the NATUR laminate surface.

In case of dirt which cannot be cleaned with normal household detergents, due to the irregular topography, the use of non-aggressive aromatic solvents (acetone or alcohol) is suggested. They are resistant to most solvents and chemicals used daily at home. Products with a high content of acid or very alkaline products should be avoided as they could stain the surface.

The surface must never be treated with products containing abrasive substances, abrasive sponges (extra green abrasive fiber) or other unsuitable products, such as sandpaper or steel wool.

Do not use furniture polishes and wax base detergents in general.

	DRY	WET Process			
	Vacuuming	Cold or hot water	Alcohol	Acetone	Household cleaning
Dust	Excelent	Excelent	OK	N/A	OK
Cigarret ash	Excelent	Excelent	N/A	N/A	OK
Juices and Jams	N/A	Excelent	N/A	Excelent	N/A
Chalk	Excelent	Excelent	N/A	N/A	N/A
Pen	N/A	N/A	OK	Excelent	OK
White Board marker	N/A	N/A	N/A	Geres, Canyon - Excelent; Others - no possible to remove	
PVCA glue	N/A	N/A	Excelent	N/A	N/A
Hot mel glue	remove mechanically after dry				

In the wet process, it is necessary to clean the entire surface and not just the stain, to maintain the homogeneous appearance.

Transportation, Recovery and Disposal

In terms of transport regulations, HPL is not classified as a hazardous material; therefore, labelling is not necessary.

Laminates are an article and not a chemical substance and therefore the REACH regulation does not apply.

Due to their high calorific value (18-20 MJ/kg)1 HPL are suitable for thermal recycling.

Laminates can be brought to controlled waste disposal sites according to current national and/or regional regulations

SURFORMA® 3Design Compact

Surface molding compact for interior
vertical applications in dry environments

DRAFT**GENERAL FEATURES**

The EN438 doesn't cover this special surface product.

SURFACE – Please consult the TDS of Surforma® NATUR laminates.

CORE – Surforma® 3Design Compact specific features:

PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		CompactShield
Dimensional tolerance requirements (EN 438-2:2016, Clause No.)				
Thickness	EN 438-2:5	mm (max. variation)	$8.0 \leq t \leq 16.0$	± 200
Length and width	EN 438-2:6	mm		- 10 / + 10
Edges straightness	EN 438-2:7	mm/m (max. deviation)		1.5
Edges squareness	EN 438-2:8	mm/m (max. deviation)		1.5
Flatness	EN 438-2:9	mm/m (max. deviation)	$8.0 \leq t \leq 16.0$	8.0 mm /m
General Requirements				
Dimensional stability at elevated temperature	EN 438-2:17	Cumulative dimensional change % (max.)	$8.0 \leq t \leq 16.0$ Longitudinal	0.30
			$8.0 \leq t \leq 16.0$ Transversal	0.60
Swelling 24h	EN 317	% (max.)		2.0
Flexural Modulus	EN ISO 178	Stress, MPa (min.)	Longitudinal & Transversal	Under evaluation
Flexural Strength	EN ISO 178	Stress, MPa (min.)	Longitudinal & Transversal	Under evaluation
Density	EN ISO 1183-1	Density, g/cm³ (min.)		0.95

CERTIFICATIONS