



**DEKKAP<sup>®</sup>**

**REINFORCED**  
composites

**Standard Panel Sizes**

1200mm x 3600mm, 1200mm x 2400mm, 1200mm x 1200mm sizes are available as standard panels. Pre-drilled panels for undercut type of concealed fixing are 15 mm in thickness.

10, 15, or 20 mm panels are available for clip type of concealed fixing.

10 mm panels are available for visible fixing.



2400mm x 1200mm



1200mm x 1200mm

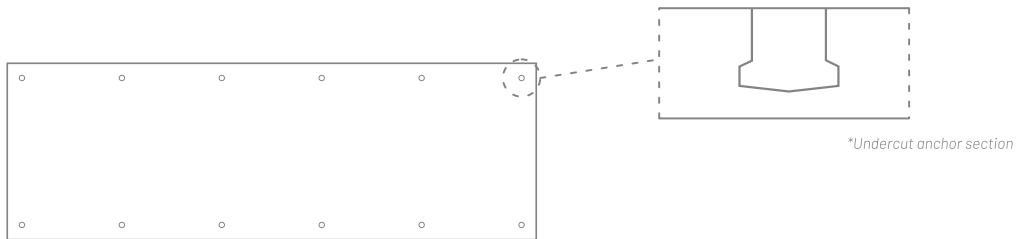


3600mm x 1200mm

*\*Custom sizes are available upon request.*

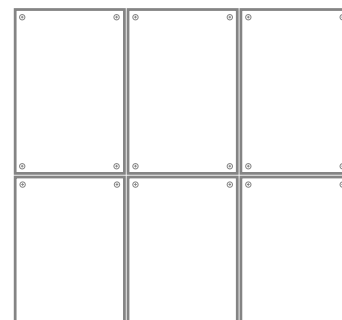
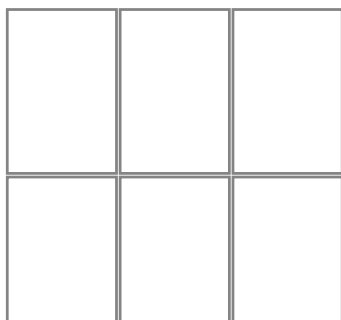
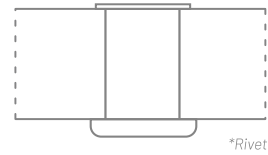
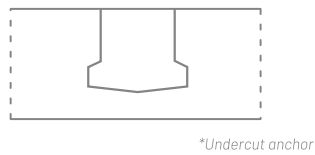
**Easy to Install**

Dekkap offers standard panels for both concealed and visible fixing.



**Fixing Types**

Concealed or visible fixing types are available. Concealed fixing can be achieved with undercut anchors, clips, or adhesives. Visible fixing can be achieved with rivets. Dekkap panels for undercut anchors are pre-drilled and easy to install.



# X Technical Specifications

<b>Sizes</b>	1,2 x 1,2 m, 2,4 x 1,2 m ve 3,6 x 1,2 m	
Special sizes	on request	
Dimensional Variation Length (3,6m)	± 4 mm	EN 12467
Dimensional Variation Width (1,2m)	± 2 mm	EN 12467
<b>Thickness</b>	15 mm (10-13 mm on request)	
Thickness Tolerance e ≤ 6 mm   6 mm < e ≤ 20 mm   e > 20 mm	± 0,6 mm   ± %10e   ± 2 mm	EN 12467
Edge Straightness	± 0.3 %	EN 12467
Perpendicularity	± 2 mm/m	EN 12467
<b>Physical Characteristics</b>		
Compressive strength	≥ 110 N/mm <sup>2</sup>	
Impact resistance	5,97 kJ/m <sup>2</sup>	
Tolerances > 1,2 m   > 2,4 m   > 3,6 m	± 2 mm   ± 4 mm   ± 4 mm	
Swelling	0,5-1 mm/m	TS EN 1170
Shrinkage	1-2 mm/m	TS EN 1170
Bulk density	2,0 - 2,3 kg/dm <sup>3</sup>	EN 12467
Bending tensile strength	13 - 18 N/mm <sup>2</sup> (MOR*)	EN 12467, Class 3
Dead load / mass per unit area (15mm)	30 - 34,5 kg/m <sup>2</sup>	
Material class	A1 - non-combustible	EN 13501-1
Modulus of elasticity (deformation)	10000- 20000 MPa	EN 12467
Modulus of elasticity (restraint)	40000 MPa	EN 13412
Thermal conductivity	0,765 W/(m*K)	TS EN 12664
Water absorbtion	%1-3	TS EN 1170
<b>Weather-resistance</b>		
Water impermeability	As in standard	EN 12467
Heat-rain	As in standard	EN 12467
Frost resistance	As in standard	EN 12467
Freeze - thaw	As in standard	EN 12467
UV-light resistance	UV-resistant pigment	
Warm water resistance	As in standard	EN 12467
Soak - dry	As in standard	EN 12467
<b>Fastening</b>		
Fastening visible	Rivet	
Fastening invisible	Undercut anchor, Infill anchor, Clip system, Adhesive	
Substructure	Aluminum, steel	
Joint width	8-10 mm	
Reinforcement	Alkali resistant glass fiber (AR glass)	
Edge formation	Glass fiber may be visible in edges when cut	
Colors	16 standard color (specific colors on request)	
Weather protection	Hydrophobic coating	



### Colored by the mix

Dekkap UHPC panels are light gray in color. They are also available in color. Colored production is possible by using pigments in the mix. This method allows our panels to be maintenance-free. 16 standard colors are available. Custom colors are also available upon request.

### Surfaces and textures

We offer 3 different finishes as standard. Smooth, sandblasted and rough.

### Color Variation

There are certain limitations to color when it comes to colored production. Overuse of pigments might affect physical properties, introduce too much air into the mix or pigments might overflow through the surface. We suggest colored production when it is possible to produce without compromising quality. Even though we suggest colored production, we also need to inform our customers about slight color variation between panels and on the surface. Depending on the nature of the concrete, color changes in aggregates, design differences, hydration process, weather differences, etc. can result in color variation.

### Hydrophobization

Dekkap UHPC panels come with a layer of hydrophobic coating. Hydrophobic coating provides basic protection against weathering, dust, and dirt. Hydrophobic coating is water impermeable and breathable. Hydrophobic coating does not provide protection against scratches, pressurized liquids, oil, acids, strong alkalis, etc.

### Paint

Dekkap UHPC panels are also possible to paint. Standard exterior paints and semi-transparent colored impregnations are available. Colored impregnations makes it possible to color the concrete without losing the texture and feel.

### Nature of the concrete

Concrete is a special material with unique characteristics. Due to its natural matrix, minor imperfections like depressions, stretch marks, and pores may occur on the surface.

**Note:**

Surface properties described above applies to the visible side of the cladding panel. Concrete surface sample panels can never reflect all of the above features. Small defects may occur on small sample panels but they would be undetectable in larger-scale façade applications.



16 standard colors



3 standard finishes



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