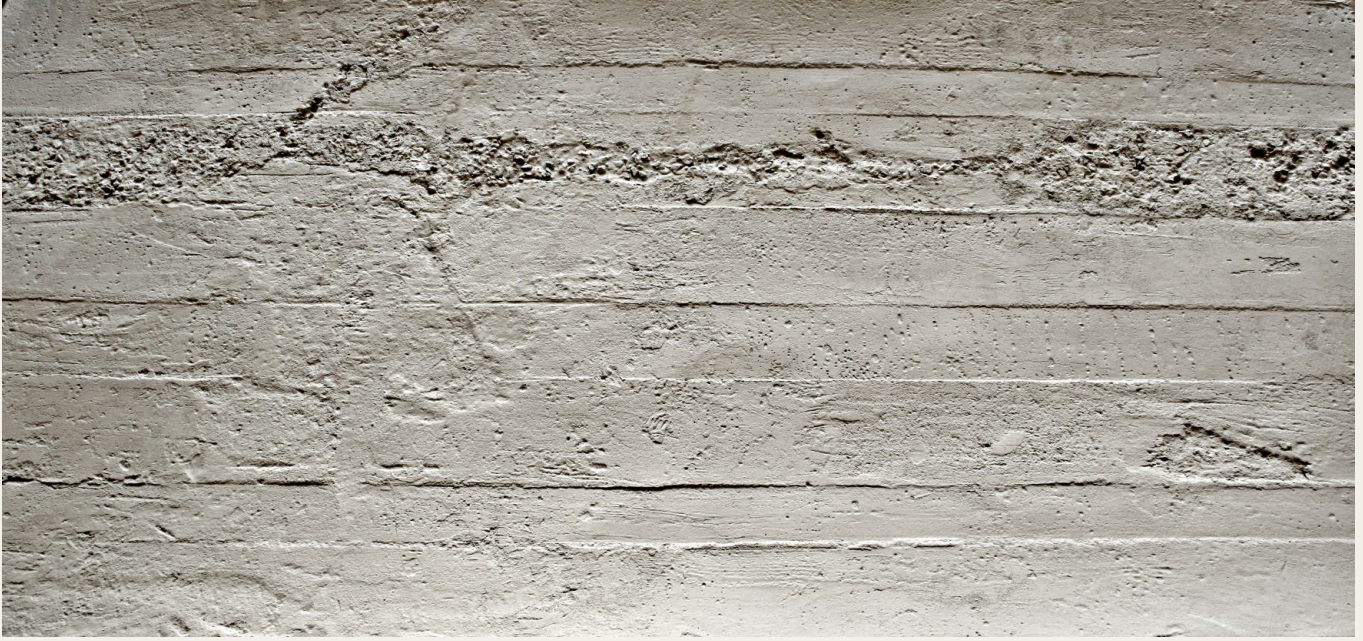


CO-WALL / 01

Co-Wall

Technical Data



Model

Sagrada

Product Code

M-500

Height

133 cm

Width

285 cm**Product Technical Specifications**

Manufactured from 20% fiberglass, 70% ecological resin (isophthalic, low-styrene, first-class flame-retardant polyester) and 10% stone powder. Prepared using special colouring techniques, with an approx. 5-8 mm wall thickness, approx. 4-30 mm pattern depth and approx. 4.5-6 kg/m² weight, with a board-formed concrete appearance.

CO-WALL / 02

Co-Wall

Product Specifications

- 01 It shall have an authentic natural texture and fair-faced concrete appearance.
- 02 Panels shall have a TURKAK-approved fire certificate valid internationally, corresponding to class B1 under Euroclass TS EN 13501-1 reaction-to-fire classification.
- 03 According to the technical data, no deformation or texture deterioration shall occur between -30 °C and +120 °C.
- 04 Heat resistance shall be 800 °C.
- 05 Panel dimensions shall be approximately 133 x 285 cm.
- 06 Sound insulation value shall be 40 dB.
- 07 For ambient sound levels, sound insulation shall be provided at an average frequency of 100 Hz.
- 08 Panels shall be UV-protected and unaffected by harmful radiation.
- 09 They shall be thin yet impact-resistant and impact-absorbing.
- 10 Paint quality and colour fastness shall be warranted for 10 years.
- 11 They shall not be affected by water or moisture.
- 12 They may be cut to the required dimensions.
- 13 The panels shall contain no carcinogenic substances and shall be certified as harmless to human health and the environment.
- 14 Because real stone powder rather than synthetic paint is used in production, panel colours may show natural variations similar to natural stone.
- 15 Their light weight allows installation on portable display stands.
- 16 They shall be suitable for interior and exterior walls and ceiling applications.
- 17 Their structure shall allow flexibility and shaping.
- 18 A special stone-powder-containing mastic shall be used at joints and connection points so that pattern continuity is achieved rather than visible discontinuity.
- 19 Each model shall have its own touch-up paints. After shaping the joints and screw heads during touch-up, joint paint shall be applied to create a seamless appearance.

CO-WALL / 03

Co-Wall

Technical Values

It shall also meet the technical values shown below:

Mechanical characteristics	Control method	Unit	Value
Weight - Thin Models		KG/m ²	4-6
Weight - 3D Models		KG/m ²	5-8
Breaking Strength	ISO 527	MPa	7030
Breaking Length	ISO 527	%	4,87
Modulus of Elasticity	ISO 527	MPa	5246
Elongation Strength	ISO 178	MPa	
Impact Resistance Without Breakage	ISO 179	J/M ²	37425
Barcol Hardness	ASTM D-2583	C°	48
Bending Strength	ISO 178	MPa	157
Modulus of Bending	ISO 178	MPa	2340
Tensile Strength	ISO 527	MPa	39
Water Absorption	ISO 62-3	%	0,984
Thermal characteristics	Control method	Unit	Value
Reaction to Fire	UNE EN 13501-1:2020 / EUROCLASS	C S2 D0	B1- M2
Thermal Conductivity Coefficient	UNE 53037	KCAL/mH°C	0,28
LOI - Limiting Oxygen Index	ISO 4586	%	26

CO-WALL / 04

Co-Wall

Material and Performance

- 01** Manufactured from polyester, fiberglass and stone powder.
- 02** Its appearance and texture provide an authentic natural-stone feel.
- 03** Average weight is approximately 5-8 kg/m² and thickness is approximately 3-5 mm.
- 04** It is not affected by UV radiation.
- 05** Its impact-absorbing structure provides high resistance to impact.
- 06** It is unaffected by water and moisture and can be used in kitchens and bathrooms.
- 07** Typical dimensions are 133 x 285 cm; dimensions may vary by a few centimetres depending on the model.
- 08** It has B2 flame-retardant classification and can be used in areas exposed to intense sunlight or heat.
- 09** It can be cut easily to the required dimensions using a jigsaw or diamond saw.
- 10** It can be washed and wiped clean and requires no additional maintenance.
- 11** It contains no carcinogenic or harmful substances and is environmentally friendly.
- 12** It can be fixed with screws and plugs to any finished substrate, including ceiling surfaces.
- 13** Its flexible structure allows curved and dynamic forms.
- 14** All models provide pattern continuity, creating a natural appearance on the finished surface.
- 15** It can be painted in any desired colour and applied to finished construction surfaces.
- 16** It eliminates additional costs such as painting and insulation.
- 17** It is suitable for both interior and exterior use.
- 18** It is unaffected by rain, sun, cold or heat.

CO-WALL / 05

Co-Wall

Application and Use

- 19** It feels like real stone to the touch.
- 20** It is approximately 90% lighter than natural stone and has a longer service life.
- 21** It eliminates problems such as local detachment and open joints encountered in natural-stone applications.
- 22** Thanks to its flexibility, it can be applied to vaults and arches and used to clad fireplaces and columns.
- 23** Screw fixing makes installation particularly practical and effortless for commercial spaces that require frequent decoration changes.
- 24** It can be cut and drilled easily.
- 25** Decorative materials can be hung on the clad surface.
- 26** It can be used portably in shop windows, stands, fairs and exhibition designs.
- 27** Installation causes no damage to the substrate other than screw holes.
- 28** It eliminates construction mess from materials such as cement, plaster and sand.
- 29** Because it is easy to dismantle, it can be resized and reused in a different location after removal.
- 30** It does not require structural or construction permits.
- 31** Compared with natural-stone applications, it is more practical, lighter, longer-lasting and easier to use.
- 32** Decorative items may be hung on the surface.
- 33** Columns and arches can be formed with profiles, allowing partition walls, fireplaces, vaults and similar applications.
- 34** It does not damage the applied surface other than screw holes.
- 35** No construction debris such as sand or cement is generated, and the system does not harm the environment.
- 36** It does not require structural or construction permits.