

Edelweiß Structo

Edelweiss white Structo

EST 01 / 02 / 03 / 04

Product	Factory prepared dry powder mortar in accordance with DIN 18557 and DIN EN 998-1, mineral, brilliant white, fine décor render with a range of finishing textures, for manual and machine application.				
Suitable Uses	Mineral, décor finish onto all standard mineral basecoats, onto the reinforced meshing coats of insulation renders and ETICS, salt retention renders and fillers. For producing a range of brilliant white textures in external and internal areas, including plain finish, sponge finish, and trowel textures. Component of the BaumitBayosan External Thermal Insulation Composite System (ETICS).				
Composition	Marble sand, lime, white cement, and additives to improve workability and adhesion.				
Performance	Workable, mineral, machine applicable decor finish render. White ground marble aggregate and white binding agent produce the brilliant white colour. A choice of textures due to the different grain sizes, 1 mm, 2 mm, 3 mm 4 mm. Once hardened, they are water vapour and CO ₂ permeable, frost resistant with low staining tendencies, non-combustible and weather resistant.				
Technical Data	Mortar group:	CS II acc.to DIN EN 998-1 (P I c, acc.to DIN 18550)			
	Compression strength:	1,5 – 5,0 N/mm ²			
	μ-value:	10 – 15			
	Absorption rate:	W 2 (DIN EN 998-1), water-repellent (DIN 18550)			
	Conductivity value $\lambda_{10,dry}$ (Tabled values acc. EN 1745)	≤ 0,93 W/(mK) (für P = 90 %)			
	Conductivity value λ_R (Tabled values acc. DIN V 4108)	≤ 0,83 W/(mK) (für P = 50 %)			
	Minimum layer thickness:	1,0 W/(mK)			
		depending on grain size, but a min. of 2mm			
	Product name	EST 01	EST 02	EST 03	EST 04
	Grain size [mm]:	0 - 1	0 - 2	0 - 3	0 - 4
	Water requirement l/Sack:	5,5 – 6,5	5,5 – 6,5	5,0 – 6,0	5,0 – 6,0
	Yield approx. [kg/m ²]:	3,1	3,1	4,7	5,6
	Coverage: approx. [m ² / Sack]:	8,1	8,1	5,3	4,5
Packaging	Paper sacks, sack content 25 kg, (42 sacks per pallet = 1050 kg)				
Storage	Dry and protected, do not store for longer than 6 months.				
Quality Assurance	The product undergoes in-house monitoring, using a quality management system which conforms to the current international standard DIN EN ISO 9001 and the environmental standard ISO 14001, certified by TUV. Tested for toxins. TUV Certificate.				
Health and Safety	Hazard label:	Xi irritant			
	R-phrases:	R 36/38 R 41 R 43	Irritates the eyes and skin Risk of serious eye damage Contact with skin can cause sensitisation		
	S-phrases:	S 2 S 24/25 S 26 S 37/39	Keep away from children Avoid contact with skin and eyes In case of eye contact, rinse with plenty of water and see medical assistance Wear suitable protective clothing and safety goggles		
	Low Chromate content according to TRGS 613				

Background

The background should be dry, stable, dirt and dust free, and able to receive a coating. Basecoats should be fully cured. Remove any peeling paint, lime wash, grease stains (from shuttering) and other contaminants and film forming layers.

Basecoats and backgrounds should be fully cured, flat, dry and the surface roughened. Smooth concrete surfaces, should be treated with a suitable bonding coat(for example multiContact MC 55 W) .Highly absorbent basecoats to be treated with DecorGrundierung DG 27 (undiluted onto gypsum backgrounds).

Friable basecoats are to be treated with a stabiliser such as "PutzFestiger". Backgrounds derived from wood including plasterboard should be treated with a suitable primer SperrGrund to prevent staining.

Application

Use only clean water, without admixtures. Do not mix with other materials. Edelweiß Structo EST 01 – 04 can be manually mixed in a bucket or tub, depending on quantity, using an electric hand mixer. Fill the bucket to a third full with water. Gradually add the EST 01 – 04 to the water while mixing, until a workable, lump-free consistency, is achieved. More water and material may be added as necessary. Mortar mixing pumps or continuous mixers provide a more efficient mixing and application of the bonding mortar. Keep tools, tubs and machines clean. The application thickness and process varies depending on purpose.

As a finishing coat, apply Edelweiß Structo EST 01 – 04 with a steel trowel and texture the surface as desired with a trowel, sponge, or wooden float. On stiffening a fine slurry coating of EST 01 – 04 can also be applied with a brush. For a more prominent textured finishes, use ScheibenPutz SEP 01/02/03 for a coarse sponged texture or Münchner Rauputz MRP 02/03/05 for a coarse alpine-finish texture.

If EST 01 – 04 is to be applied onto DämmPutz DP 85, this must have received a reinforcing mesh coating with multiContact MC 55 W (approx. 5 mm thickness). The DämmPutz DP 85 must be sufficiently cured (min. standing time 10 days). Plan and carry out the application systematically to avoid scaffold lines!

Hints

Do not apply in direct sunlight, rain or wind and protect the finished work until fully cured (Scaffold nets).

In the case rapid dehydration, dampen the finished work with water at regular intervals. High humidity and low temperatures can increase curing times considerably.

Stainless steel plaster beads should not be fixed with gypsum products. Use AM51.

Clean tools after use with water.

Mineral decor finishes must be painted with equalizing paint.

Protect other materials such as glass, ceramics or metal etc. from contamination with appropriate coverings.

Do not apply or allow to dry under an air or wall temperature of + 5°C and falling or more than + 30 °C. Observe the guidelines stated in the Data Sheet " Render onto Ziegel Masonry" DIN EN 998-1,DIN 18550 and DIN 18350 (VOB, Part C)

NaturLine-Logo

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