

SkamoWall Biocide (optional)



SkamoWall Biocide is recommended to treat existing surface mould prior to the application of SkamoWall Adhesive. SkamoWall Biocide is also recommended as a precautionary measure in basements, confined areas, poorly ventilated spaces and areas that are considered at risk of mould even if there are no physical signs of surface growth. The area to be treated should be cleaned thoroughly ensuring the removal of organic material, efflorescence, loose or flaking substrate by physical means. Areas to be treated should not be wet to the touch. Supplied as a ready to use liquid in a 750ml trigger spray bottle.

SkamoWall Biocide	Value	Unit (SI)
Coverage	4-6	ml/m ²
pH	12.9	
Flashpoint	>65	°C
Steam pressure (20°C)	23	HPa
Bulk density (20°C)	1.06	g/m ³
Viscosity, dynamic (20°C)	30	mPa.s
Colour	Light yellow	

SkamoWall Adhesive (Required)



SkamoWall Adhesive is mixed with clean water using a mixing paddle set on a moderate speed until a smooth creamy consistency is achieved. Leave to stand for 3 minutes. Apply using an 8mm notched trowel. Typically applied directly to the wall, application to the back of the board is also possible to aid fixing where the adhesive is used to help ensure full contact on rougher surfaces. Open time 2 hours approx. Full strength achieved after 6 hours. Supplied as 20 Kg dry powder in a paper sack.

SkamoWall Adhesive	Value	Unit (SI)
Reaction to fire	Class A1	
Dry bulk density	≤ 1,600	kg/m ³
Compressive strength	CS IV	
Water absorption Class	Class W0	
Water vapour transmission μ (EN 12086)	≤ 15	
Adhesion	≥ 0.08	
Thermal conductivity, λ _{10 dry} (average tabular value; P=50%)	0.61	W/m ² K
Yield. Approx. when mixed	4	Kg/m ²

SkamoWall Calcium Silicate Board (Required)



SkamoWall Calcium Silicate Boards are applied directly to the adhesive coated walls with staggered bonds. Before applying the adhesive ensure that the first (floor level) run is level and marked. Adhere the boards directly to the wall pushing firmly into place onto the adhesive layer. Additional adhesive can be applied to the back of the board to help ensure full unbroken contact with the coated wall surface. Boards are cut using standard carpentry tools. Screw loading details are given in the tables below. Supplied as a 610 X 1220mm board 25mm or 50mm thick

SkamoWall Calcium Silicate Board	Value	Unit (SI)
Bulk density (EN 1602)	225	kg/m ³
Compressive stress (EN 826)	2,800	KPa
Total porosity (EN 993-1)	91	%
Water vapour transmission, μ (EN 12086)	3	
Short term water absorption (EN 1609)	28	kg/m ²
Thermal conductivity (EN 12667), $\lambda_{23.50}$	0.068	W/m ² K
Fire classification (EN 13501-1:2007 + A1:2009)	A1	
HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00	
Colour	Grey	

SkamoWall Primer (Required)



SkamoWall Primer contains a water glass (silicate) binder used to treat the surface of the SkamoWall Boards prior to application of SkamoWall Plaster it is used to enhance the adhesion of SkamoWall Plaster to the board surface without any detriment to the active capillary action or diffusion capacity of the board. Use neat and apply generously with a soft bristle brush ensuring complete coverage of the board. If wall paper is to be used dilute as indicated. SkamoWall Primer should be over coated with SkamoWall Plaster within a maximum of 4 weeks of application. Supplied in a 3 Litre plastic bottle.

SkamoWall Primer	Value	Unit (SI)
Contains a maximum of	1.4 g	VOC/L
Drying time	1-2 hours	
Yield (undiluted)	5-10	m ² /L
Shelf life if stored cool in closed original packaging	1 year	

SkamoWall Plaster (Required)



SkamoWall Plaster is used to provide a smooth continuous decorative finish which can be painted. Mix with clean water using a slow paddle mixer to achieve a smooth creamy consistency. Open time 2 hours. Use to fill and smooth all joints before a full coat is applied. Minimum coat depth is 2mm. Maximum coat depth is 10mm per coat. Second coat can be applied after two hours or when a thumbprint can just be left in the first coat. Fully dry after 6 hours. Apply using a steel plasterer's float or trowel. Supplied as 15 Kg dry powder in a paper sack.

SkamoWall Plaster	Value	Unit (SI)
Dry bulk density	≤ 1,400	kg/m ³
Compressive strength	CS II	
Absorption of water	Class W0	
Water vapour permeability, μ	≤ 15	
Adhesion	≥ 0.08	N/mm ² FP B
Thermal conductivity (average tabular value; P=50%), $\lambda_{10 \text{ dry}}$	0.45	W/m ² K
Reaction to fire	Class A1	
HS Tariff number (Harmonized Commodity Description and Coding System)	2824.50.90	
Colour	White	
Yield. Approx. when mixed (2mm depth)	1	Kg/m ²

Board Screw Loading Capacity (for fixing items to SkamoWall Calcium Silicate Board)

SkamoWall Calcium Silicate Board	25mm
3.0 × 25 screw with wall plug	
Screw Depth	Min. 20 mm
Weight	3 kg

SkamoWall Calcium Silicate Board	50mm
4.5 × 50 screw with wall plug	
Screw Depth	Min. 45 mm
Weight	15 kg