

## Product Data Sheet

### SEA STAR SUPERFLEX – S1

**High Performance Cementitious, Deformable Tile Adhesive Formulated with Enhanced Properties of Slip Resistance, Flexibility and Extended Open Time for Large Tiles, Thin Tiles, Marble & Natural Stones on Walls and Floors in Interiors and Exteriors.**



**Specially Designed for Use on Facades, Heated Floors & Industrial Floors. SUPERFLEX-S1 Exceeds Standard Requirements EN-12004 for C2TES1 Tile Adhesive.**

#### Area of Application/Uses

- For all type of masonry substrates such as sand/cement render, precast concrete, gypsum board, sound painted walls, where high flexibility and long open time is required.
- For installation of large format tiles, thin tiles & natural stones especially on facades and walls.
- Over Tiles. Tile on Tile application.
- For residential, commercial and industrial purpose, swimming-pools, facades, terraces and parking areas.

#### ADVANTAGES

- Single component – deformable tile adhesive.
- High flexibility & performance.
- Easy to use – No vertical slip.
- Excellent adhesion strength.
- Resistant to weathering & ageing
- Handle substrate movement without cracking
- For Commercial & industrial (heated floors) tiling.

#### TECHNICAL DATA

Product Name	Typical Values
Appearance	White
Application Thickness	6 to 12 mm
Pot Life	60 mins
Mixing ratio	23% water by weight of tile adhesive.
Open time	≥ 30mins
Adjustability time	Approx. 30mins
EN 12004 Classification	C2TES1

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#### Usage Instructions

##### Surface Preparation

The substrate should be sound, clean, free from loose material, grease, dirt or any other substance that might impair bond quality with the substrate. Concrete, hollow blocks, and cement-based substrates must be sufficiently cured. The surface should appear damp with no water pooling. Gypsum boards, plasterboards, anhydrite screeds must be sufficiently dry and free from dust.

##### Mixing

Mix 20kg SUPERFLEX S1 with 4.5 – 5 liters of clean cool water until a smooth, lump-free paste is obtained. Leave the paste to rest approximately 2–3 minutes before starting the application.

##### Application

Apply the tile adhesive to the substrate using a notched trowel. Choose a trowel that gives the correct coverage to the tile.

To achieve good adhesion, spread an initial thin layer of adhesive on the substrate using the flat side of the trowel. Comb the adhesive with a suitable notched trowel horizontally to achieve a 4 – 6 mm bed thickness. Spread the mortar adhesive to a manageable area that can be tiled within 10–15 minutes. Press the tiles firmly over the mortar adhesive and immediately knock them into the desired position. Adjust the position of the tiles, if required, within its adjustability time after installation.

Use the back buttering method for large format tile applications. Apply and comb the adhesive on the surface to be tiled. Also, add the adhesive to the backside of the tile with/without combing.

##### Packaging

SUPERFLEX S1 is available in 20kg bags.

##### Coverage

Thin-bed fixing : 4 – 5 kg/m<sup>2</sup> (Smooth surface using notched trowel)

Solid-bed fixing : 8 – 10 kg/m<sup>2</sup> (Smooth surface using notched trowel)

##### Storage and Shelf Life

SUPERFLEX S1 may be stored for up to 12 months in its original packaging in a dry shaded place.

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#### PRECAUTIONS AND SAFETY MEASURES

This product contains Portland cement which is slightly alkaline when wet. For people with sensitive skin, continuous use may cause irritation. Gloves or a suitable barrier cream should be used. As a general Code of safety practice all chemical products should be treated with care, kept away from children and animals, especially protect eyes and skin. In emergency seek medical advice.

#### DISCLAIMER

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