

Mavip SUPER FLEX 1054

Product Data Sheet (TDS)

DESCRIPTION

Mavip SUPER FLEX 1054 is a one component, premixed adhesive tiles specially formulated with waterproofing and reduced slip features suitable to apply for thin or thick bed ceramic tiles and stones for interior or exterior Walls and Floors.

Mavip SUPER FLEX 1054 is ideal to use in permanent wet areas and extreme weathering conditions.



USES

- Laying ceramic tiles and stones in:
- Swimming pools\water tanks\fountains.
- Bathrooms.
- Shower rooms.
- Industrial kitchens.
- For tile on tile application.
- Decorative external claddings.
- Areas exposure to vibrations & movements.

ADVANTAGES

- High performance adhesive and bond strength.
- Waterproof, suitable for wet areas conditions.
- Anti-slip.
- Can be used for thin or thick bed application.
- Extended pot life.

STANDARD

Mavip SUPER FLEX 1054 is an improved (2) slip resistant (T) cementitious adhesive (C) with extended open time (E) deformable (S1) classified as C2TES1 according to European Standard EN 12004.

PRODUCT & TECHNICAL DATA

Consistency	Powder
Colour	White, Gray
Bulk Density	1.65 g/cm ³
Mix Density	1.78 g/cm ³
Application Temperature Range	(+5 °C) – (+35 °C)
Service Temperature Range (after final cure)	(-40 °C) – (+80 °C)
Slip	≤ 0.5 N/mm ²
Deformability	≥ 2.5 mm-S1 Deformable
Open Time	After 30 minutes ≥ 0.5 N/mm ²
Consumption	4-5 kg/m ²
Grouting	After: 8 Hours on wall / 24 Hours on floor
Mixing ratio	26 – 28 % water
Tensile Adhesion Strength (EN 12004)	initial ≥ 0.5 N/mm ²
	after heat exposure ≥ 1 N/mm ²
	after immersion in water ≥ 1 N/mm ²
	after freeze/thaw cycles ≥ 1 N/mm ²

COVERAGE

Solid fixing bed	3.3 to 5.5 kg/m ² for 3 – 5 mm thickness
Notched trowel	2 kg/m ² (on smooth surface)

APPLICATION PROCEDURE

Surface preparation

The surface of substrates should be sound, free from laitance, paint, oil, grease, shuttering oil, backwards curing compound and any other loose particles.

Ensure that tiles are dry and free from any contaminates.

Mixing

- Mix Mavip SUPER FLEX 1054 clean water with (26% - 28%) in a pot, Adding Mavip SUPER FLEX 1054 should be gradual with mixing for 3 to 4 minutes by electrical mixer at low speed until a smooth, lump-free the paste is achieved.

Hand mixing is recommended only for small quantity but ensures that powder/water ratio is maintained.

- To obtain a good adhesion first apply a thin coat of Mavip SUPER FLEX 1054 with the trowel flat side, then notches with the toothed side of the trowel.

- Tiles which fixed with Mavip SUPER FLEX 1054 mustn't be in touch with water for at least 24 hours.

- Dispose of mortars of which pot life is expired (after 30 minutes).

Clean tools and hands with water, surfaces with a damp cloth.

Application

Apply Mavip SUPER FLEX 1054 to a uniform thickness of 3mm to 5mm on the substrate. During application should not spread a layer of Mavip SUPER FLEX 1054 more than 1 square meter at a time.

Solid bed fixing is recommended for wet conditions and heavy-duty vertical applications including decorative stone cladding.

If required the Mavip SUPER FLEX 1054 can additionally be buttered on the backs of the tiles to ensure full adhesive contact.

For all other vertical application, the adhesive bed should be combed with a full notched trowel to remove excess adhesive.

Place it into position with a slight twisting motion, ensuring the tile back achieves full contact with the adhesive.

Grouting of joints can be started after 24 hours with ISO GROUT.

CLEANING

Clean all the tools with water immediately after use.

Hardened materials can be removed mechanically only.

PACKING

Mavip SUPER FLEX 1054 is supplied in paper bags 20 kg.

SHELF LIFE

Shelf life is up to 12 months from production date when stored as per recommendations.

STORAGE

Product must be stored in original unopened, and undamaged sealed packaging in dry conditions, under cover, out of direct sunlight at temperatures between +5 °C and +35 °C.

In tropical climates the product must be stored in air-conditioned environment.

HEALTH AND SAFETY

As with all construction chemical product, caution should be always be exercised.

Protective clothing such as gloves and goggles should be worn.

Treat any splashes to the skin or eyes with fresh water immediately.

Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

