TEKCEM

SF MEMBRANE

Providing a DPM and bond between a variety of substrates and levelling screeds or underlayments.

OVERVIEW

Tekbond SF Membrane is a two pack, 2 coat, solvent free epoxy resin based surface damp proof membrane for internal use under levelling screeds and self-levelling or self-smoothing underlayments. Tekbond SF Membrane is easy to apply and its colour allows monitoring and surity of cover. Tekbond SF Membrane is moisture tolerant and provides excellent adhesion to concrete, cementitious screeds and many other substrates including power floated concrete.

Tekbond SF Membrane allows early application of floor finishes to substrates with a measured surface moisture content of up to 97%RH.

BENEFITS

- Provides a DPM to damp substrates
- Provides an excellent bond between substrate and levelling screeds
- Coloured to assist with coverage and progress
- Low viscosity, easily applied
- Works with a of a wide range of surfaces and moisture.
- Allows early installation of floor finishes, reducing project times
- Allows the use of thinner screeds without reinforcement.

TECHNICAL DATA

Pot life at 20°C	45 minutes
Pot life at 10°C	90 minutes
Colour base coat	White
Colour second coat	Red
Tack free time at 20°C	6 hours
Vapour permeability	<5g / m² / 24 hours
Water permeability	Impermeable
Application thickness	0.3mm approx. (per coat)
Time to dry at 20°C	14 hours
Coverage	3m² / kg
Adhesive strength	> 1.5 MPa *(dependent on substrate strength)*
Flexural strength	> 50 MPa
Compressive strength	> 50 MPa
Water absorption	< 0.2% after 7 days

COVERAGE

Pack sizes	6 kg or 12 kg
Per kg base coat	3m²
Per 6kg unit base	18m²
Per 12 kg unit base	36m²
Per kg second coat	3m²
Per 6kg unit second coat	18m²
Per 12 kg unit second coat	36m²

WARNING

The information provided in this datasheet corresponds to the best of our expert knowledge and experience. Whilst it is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application. Tekcem Ltd cannot be held be responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.

TEKGROUP
Unit 1 Power Park, Commercial Road, Goldthorpe Industrial Estate, S63 9BL

TEL: 03300 555 227 | **EMAIL:** sales@tekcem.co.uk

www.tekcem.co.uk

SURFACE PREPARATION

The surface of the substrate to be coated must be sound, clean and free from dust, laitance, oil and other contaminants. The substrate must be surface dry with no pooling water.

Suitable mechanical treatment such as vacuum grit blasting is recommended to ensure the removal of contaminants and to provide a 'key' for the Tekbond SF Membrane.

The compressive strength of the substrate should be a minimum of 25 MPa.

Moisture testing of the substrate in accordance with BS8203 must be carried out on new concrete floors or screeds. A surface moisture reading of 97% RH can be accommodated by Tekbond SF Membrane. If readings exceed this figure, then the floor must be allowed to dry out further.

MIXING

Pour the entire contents of the curing agent into the resin in its container and thoroughly mix, preferably by mechanical means, for no less than 2 minutes, until a uniform colour and consistency is achieved.

APPLICATION

Tekbond SF Membrane can be applied by brush or roller. For large areas it can be spread with a squeegee and finished with a roller.

Apply a base coat of white Tekbond SF Membrane at a nominal rate of 3 m^2/kg. An "open" or porous substrate may require a higher application rate.

Ensure that an even and complete application is achieved.

After 6 hours, when the surface is tack free but within 24 hours apply a coat of red Tekbond SF Membrane in the same way but at a nominal rate of 4 m^2/kg.

OVERLAYMENT

Overlay with cementitious screed or levelling compound following the application method recommended for that material while the red Tekbond SF Membrane remains "tacky". Once the Tekbond SF Membrane is fully hardened it will provide poor adhesion and debonding of the overlayment may result.

Alternatively

Whilst the red Tekbond SF Membrane remains fully uncured (wet) broadcast a full blind of an appropriate dry aggregate into the surface (eg 1-2mm clean dry quartz or silica sand) at an application rate of 2 kg/m^2 ensuring that all of the Tekbond SF Membrane is covered.

Once the Tekbond SF Membrane has fully cured remove excess aggregate by sweeping and vacuuming. Overlay with cementitious screed or levelling compound following the application method recommended for that material. It is important to follow the application method recommended by the manufacturer of the overlayment and this will include the choice between the two methods outlined above.

JOINTS

Stable joints or cracks should be suitably repaired before applying Tekbond SF Membrane.

Movement or expansion joints must not be overcoated with Tekbond SF Membrane and should be treated with suitable jointing systems and continued through the floor finish.

EQUIPMENT CLEANING

Clean equipment with Tekcem Solclean as soon as practically possible. Cured material will be difficult to remove from tools.

LIMITATIONS

Do not apply at temperatures of 3°C or less or if there is a risk of such temperatures within 12 hours of application. Do not apply to surfaces with standing water.

HEALTH AND SAFETY

Avoid contact of the material with skin and eyes. Wear gloves and goggles. Wash off splashes immediately with soap and water.

Please refer to Material Safety Data Sheet for additional Information.

Tekbond SF Membrane must be applied strictly in accordance with the manufacturers instructions.

Please dispose of packaging and waste responsibly.

STORAGE & SHELF LIFE

Twelve months minimum in original unopened containers and stored under correct conditions. Store in dry conditions at between 10°c and 25°c.

TEKGROUP
Unit 1 Power Park, Commercial Road, Goldthorpe Industrial Estate, S63 9BL

TEL: 03300 555 227 | **EMAIL:** sales@tekcem.co.uk

www.tekcem.co.uk