

PRODUCT DATA SHEET

SCHÖNOX® iFIX

2 PART WATERPROOF ADHESIVE DESIGNED FOR FIXING SCHONOX AB SHEET MEMBRANE

DESCRIPTION

For waterproof bonding of the crack bridging membrane Schonox AB & Schonox ST system components in normal and highly loaded wet areas and swimming pools. Schonox iFix is a patented adhesive that is based on a self crosslinking, special acrylate-dispersion.

USES

- In highly loaded commercial commercial wet areas and kitchens.
- On balconies and terraces prior to tiling.
- In swimming pools, in combination with ceramic tile covering.
- In residential wet areas & bathrooms
- Schonox iFix adhesive is suitable on the following substrates;
 - Concrete (*concrete above 35Mpa compressive strength requires mechanical preparation*)
 - Masonry blockwork
 - Brickwork (*fully grouted*)
 - Existing tiles such as ceramic tiles, porcelain tiles (*tiles require mechanical preparation prior to priming*)
 - Cement Render
 - Cement Mortars Beds & Screeds including Eco Systems EcoScreed and EcoScreed Rapid concentrate
 - Pre-cast concrete (*with mechanical preparation*)
 - Fibre Cement Boards
 - Compressed Cement Boards
 - Gypsum Plaster Board
 - Light weight polystyrene boards coated with mortar
 - Cement Terazzo (*with mechanical preparation*)
 - Structural Plywood (*non marine grade*)

PRODUCT INFORMATION

Packaging	7.8kg Kit consisting of; 3kg Powder 4.8kg Liquid
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FEATURES

- EMICODE EC 1plus, very low emissions.
- watertight
- self cross-linking, hydraulic rapid hardening
- for interior & exterior use
- dust reduced
- solvent free
- highly flexible
- crack bridging
- suitable for application on subfloor heating systems
- frost resistant
- shrinkage - optimised
- consumption - optimised
- diffusion permiable
- high bond strength
- resistant against ageing
- easy to apply

CERTIFICATES AND TEST REPORTS

AS 4858:2004
AS 4654.1:2012

Shelf life	9 months from date of manufacture
Storage conditions	Store Schonox iFix in a dry cool conditions

TECHNICAL INFORMATION

Crack bridging ability	Schonox AB bonded with Schonox iFix up to 5mm crack bridging	
Service temperature	-20°C to + 60°C	
Consumption	Sheeted and board Substrates approx 10m ² Concrete and Mortar Beds approx 8-9m ² m ² <i>* Coverage will vary due to surface flatness, & application techniques</i>	
Layer thickness	Apply wil Schonox iFix Rollers as required to a minimum wet film thickness of 1mm.	
Ambient air temperature	Not below 5°C Not above 38°C	
Substrate temperature	Not below 5°C Not Below 35°C	
Pot Life	Approx 45 mintes at 23°C & 50%RH, dependant on climate, and substrate.	
Open Time	Approx 15-20 minutes dependdant of evironment, temperatures, and substrate.	
Adjustability time		
Applied product ready for use	Porous substrates	After 1-2 hours
	Non porous substrates	After 12 hours

**Note temperature humidity and site conditions will impact drying times.*

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Schonox AB Sheet Membrane is designed as a complete system. Non proprietary products use to fix the sheet and use of non proprietary tapes Sleeves and corners will be deem non-compliant.
- Schonox AB system is not suitable for solvent based coatings.
- Schonox AB System may be floor tested after 16 hours at 23°C & 50% RH with cool water at 5cm depth.
- Please consult Sika Australia for applications with Negative pressure / rising damp.

Please contact Sika Australia for further information should you need additional information about the Schonox AB System

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

- All substrate shall be installed as per manufacturers instructions, fit for purpose and designed to handle the loads of a Tile and Stone system.
- Substrate Deflection: All substrates under loads must not exceed L/360 for Tiles and L/450 for Stone.
- Substrates must be properly cured, structurally sound, free from loose or friable particles, clean, dry, and free from contaminates such as dust, dirt, oil grease, curing compounds, crystalline admixtures/sealers, laitance or effloresence.
- Dependant on substrate condition and contamination to be removed from the surface, perform adequate scarification, or blast cleaning in order to remove all traces of any materials that could reduce the product adhesion to the substrate.
- It is recommended to pre-dampen or prime with Eco Prime WB fibre cement boards prior to application of iFix adhesive.

EQUIPMENT

Schonox iFix can be installed with the Schonox iFix Tool Kit, consisting of
 Schonox AB Smoothing Tool
 Schonox AB Knife
 Schonox iFix 100mm Roller
 Schonox iFix 180mm Roller
 Protective Gloves

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete Floors: Allow 28 days for concrete to cure. Concrete shall be left with an open surface, steel trow-

el finishes are generally acceptable if they accept water penetration. Wood float finishes are preferred where possible.

Cement mortar beds / Screeds: must be installed as per AS ISO 3958.1:2007. Mortar Beds must be a minimum of 24 hours old at 25mm thick at 23°C and 50% RH.

Sheeted Substrates: All boards / underlays / sheets must be installed as per manufacturers instructions and specifically designed for tiling.

Substrate Priming:

Porous Substrate can be primed with **SikaTile 010 Secure Prime** or other suitable Sika water based porous primers.

Non Porous priming of PVC control leak flanges and pipe penetrations & metal connections and floor drains can be primed with **SikaTile 015 Prep n Prime**.

MIXING

Pour the 3kg iFix powder into the iFix 4.8Ltr liquid and mix for 3 minutes with a slow speed drill to a smooth homogenous lump free consistency. Once mixed iFix adhesive is ready to apply.

Do not add any water.

APPLICATION

Application of floor / wall junctions and corners, Schonox ST Tape, and ST corners

Apply the Schonox iFix adhesive to the substrates junctions with the Schonox iFix 100mm roller to achieve a minimum 1mm wet film thickness. Immediately embed the Schonox ST Corners into the wet adhesive and press flat with the Schonox smoothing tool. Apply additional adhesive to overlap the corner to join the Schonox ST Tape by a minimum of 50mm. Embed the Schonox ST tape into the adhesive and press flat with smoothing tool.

Application of Pipe Penetrations, Schonox ST D8, D15, D25 & D65 Sleeves

For pvc fitting and puddle flanges, clean, and apply a single coat of CTA Prep n Prime and allow to dry. For Metal fittings, lightly abrade with steel wool or similar and clean any residue with Isopropyl Alcohol and wipe clean. Then apply a single coat of CTA Prep n Prime and allow to dry.

Apply the Schonox iFix adhesive around penetrations as required and embed the Schonox ST sleeve into the adhesive and flatten with Schonox iFix smoothing tool.

Application of the Schonox AB Sheet membrane

Measure and cut the sheet as required allowing for a minimum 50mm overlap at all joins. Apply the iFix adhesive with the Schonox iFix 180mm roller to a minimum 1mm wet film thickness and embed the sheet into the wet adhesive and immediately flatten the sheet with the Schonox iFix smoothing to remove any air

bubbles. Repeat process as required by gradually rolling the sheet into the wet adhesive and flatten with Schonox smoothing tool accordingly. Ensure adhesive doesn't skin prior to placement of the Schonox AB Sheet.

Waterstop Angles, and Terminations

Penetrations can be terminated into pipes as required with the Schonox iFix Adhesive with requirement of the Schonox ST Tape.

Schonox iFix can be used to adhere metal waterstop angles with Sikaflex 11FC sealant used where angles terminate at wall junctions.

Highly porous substrate may be pre-dampened to increase open time

Ensure all joins are overcoated with Schonox iFix adhesive to provide a watertight finish.

CLEANING OF EQUIPMENT

Cleaning of tools can be done with water while adhesive is still wet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

SCHÖNOX® iFIX

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