

# 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 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*)

#### CHARACTERISTICS / ADVANTAGES

- 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

#### APPROVALS / CERTIFICATES

AS 4858:2004  
AS 4654.1:2012

#### PRODUCT INFORMATION

<b>Packaging</b>	7.8kg Kit consisting of; 3kg Powder 4.8kg Liquid
<b>Shelf life</b>	9 months from date of manufacture
<b>Storage conditions</b>	Store Schonox iFix in a dry cool conditions

## TECHNICAL INFORMATION

<b>Crack Bridging Ability</b>	Schonox AB bonded with Schonox iFix up to 5mm crack bridging
<b>Service Temperature</b>	-20°C to + 60°C

## SYSTEMS

<b>System Structure</b>	<b>WET AREAS &amp; BALCONIES</b>	
	Priming:	No priming required
	Mortar bed & screeds	Eco Prime WB
	Fibre Cement boards	Eco Prep n Prime
	PVC Penetrations	Eco Prep N Prime
	Aluminium / steel flashings	
	Sheet Membrane System:	
	Schonox AB Sheet Adhesive:	Schonox iFix Adhesive
	Sheet Membrane:	Schonox AB Sheet Membrane
	Sheet Components:	Schonox ST Sealing Tape Schonox corners and ST tap sleeves
Tile Adhesive:	Prohesive Megalite Prohesive Promaxset Plus Prohesive Lite Eco Opti-Cure	
Tile Sealant:	Problend S1 Silicone Sikaflex Pro Sikaflex 11FC Sikaflex Hyflex 250 Facade Sikaflex Tank N	

<b>Consumption</b>	Sheeted and board Substrates approx 10m2 Concrete and Mortar Beds approx 8-9m2m2 <i>*Coverage will vary due to surface flatness, &amp; application techniques</i>
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<b>Layer Thickness</b>	Apply with Schonox iFix Rollers as required to a minimum wet film thickness of 1mm.
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<b>Ambient Air Temperature</b>	Not below 5°C Not above 38°C
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<b>Substrate Temperature</b>	Not below 5°C Not above 35°C
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<b>Pot Life</b>	Approx 45 minutes at 23°C & 50%RH, dependant on climate, and substrate.
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<b>Open Time</b>	Approx 15-20 minutes dependant of environment, temperatures, and substrate.
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<b>Adjustability Time</b>	
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<b>Applied Product Ready for Use</b>	Porous substrates	After 1-2 hours
	Non porous substrates	After 12 hours
<i>*Note temperature humidity and site conditions will impact drying times.</i>		

## 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 contaminants such as dust, dirt, oil grease, curing compounds, crystalline admixtures/sealers, laitance or efflorescence.
- 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

Slow speed mixing drill (Max 500RPM)  
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 trowel 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.

#### PRIMING:

Generally no priming required

\*Highly porous substrates such as fibre cement sheeting shall be primed with Eco Prime WB prior to application of iFix adhesive to increase adhesive open time.

### 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.

Ensure the excess adhesive squeezed through sheet joint is rolled flat. Ensure the Schonox ST Tape is overlapped 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 joints. 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 tool 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 joints 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.

## 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

## 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.

## 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.

## 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.

## 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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