

SOLFIX SF POURABLE



Polyester Styrene Free Pourable Resin Grout

Solfix SF Pourable is a two part concrete repair resin & anchoring system, with extremely high strength in compression and tension making it ideally suitable for anchoring large bolts, starter bars, machinery installations & ground repair

- Single unit packaging
- Easy to mix and easy to apply
- Made from 58% recycled material
- Styrene free for use indoors or outdoors (low odour)
- Stronger than cured concrete
- High surface abrasion resistance.



Colour	Product Code	Container Size
Grey	SOLFIXPOURSF	5Kg

SOLCEM - Building Chemicals & Admixtures

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Product Description

Solfix SF Pourable is a two part concrete repair resin & anchoring system, with extremely high strength in compression and tension making it ideally suitable for anchoring large bolts, starter bars, machinery installations & ground repair.

Once mixed the formula can be poured into the pre-drilled hole, or the repair area, and has 'self levelling' properties which make it ideal for shuttering, and bedding-in of deep posts. Pre-mixed aggregate and hardener components allow for fast & safe mixing

Typical Uses

Solfix SF Pourable can be used for repairs to large cracks in concrete requiring self-levelling characteristics and hard to reach areas. Bedding-in of coping stones, concrete units, steel, concrete or wooden posts. Anchoring of threaded steel bolts into solid surfaces, typically cementitious surfaces.

Features & Benefits

- Single unit packaging, easy to mix and easy to apply, styrene free for use indoors or outdoors (low odour),
- Made from 58% recycled material
- Excellent structural characteristics, stronger than cured concrete
- high surface abrasion resistance.
- cures down to 5°C

Application

For optimum results we recommend mixing the complete unit.

Mixing Method:

Remove the resin and cardboard dividing card from the package, stir the resin contents thoroughly prior to use.

Combine all of the resin tin contents with the aggregate mix in the plastic unit and mix until an even consistency is Achieved.

We recommend the use of a slow speed mechanical mixer for 2-3 minutes

Concrete repair:

Remove all the debris and dust from the area to be repaired. Prior to application the area must be clean, dry and sound.

Anchoring:

Drill a hole to the correct diameter and depth. remove dust and debris from the hole by use of a steel brush and push pump.

Anchoring bars should be free from oil and flaking rust.

Tool Cleaning

Use a solvent based thinner on tools with uncured material only.

Coverage

0.8m² @ 5mm Thickness per 5kg.

Preperation

The applications surfaces must be sound, clean and dry and free from oil, grease, rust or surface water.

Smooth surfaces should be abraded beforehand. Always check substrate quality e.g. Concrete surfaces must be in excess of 28 days old

Minimum thickness 5mm application.

Layers above 30mm build up in stages, observing the relevant gel time between stages.

Ensure that the product is worked well into all areas when applying to damp

Storage & Shelf Life

This product should be stored between +5°C & +25°C.

Avoid Direct sunlight, storage must be in dry conditions and packaging must remain airtight at all times

The shelf life of this product is 24 months from date of manufacture

Technical Data

Gelling & Curing Times									
Temperature °C	0**	5*	10	15	20	25	30	35	40
Gel Time (mins)	70	58	40	19	15	11	9	6.5	6
Cure Time (mins)	110	75	50	25	20	15	12	9	9

* Full Cure is Achieved after 24 Hours.

** Below 5 Degrees the product will naturally become more viscous.

Mechanical & Physical Properties		
Compressive Strength	24 Hours @ +20°C - 81.64 N/mm ²	Tested to EN ISO 604 / ASTM 695
Flexural Strength	24 Hours @ +20°C - 28.10 M/pa	Tested to EN ISO 178 / ASTM 795
Tensile Strength	24 Hours @ +20°C - 15.00 N/mm ²	Tested to EN ISO 527 / ASTM 638
Flexural Modulus	24 Hours @ +20°C - 4366 M/pa	Tested to EN ISO 178 / ASTM 795
E-Modulus (Compressive)	19029 N/mm ² (24 hrs @ 20°C)	Tested to EN ISO 527 / ASTM 638