

EPORIP SCR

Two component, quick-hardening, urethane-silicate resin for sealing cracks and joints in screeds and for small repairs



WHERE TO USE

Eporip SCR is a very quick-hardening, urethane-silicate resin with low odour that can be used for:

- sealing cracks and joints in cementitious screeds and concrete floors;
- interior and exterior bonding of concrete, ceramic tiles, stone material, etc. in small repairs.

Eporip SCR is characterized by very quick-hardening which permits to apply the levelling compounds or the adhesives after approx 45 minutes.

Some application examples

- Sealing cracks and joints in cementitious screeds and concrete floors.
- Fixing strips, step profiles, casements, connections and other types of profiles.
- Fixing anchoring bolts and dowels.
- Rapid bonding of concrete, ceramic tiles, stone material, etc. in small repairs.

TECHNICAL CHARACTERISTICS

Eporip SCR is a reactive urethane-silicate resin consisting of two pre-measured components (Component A = sodium silicate, component B = MDI Isocyanate) that can be easily mixed by pouring comp. A into the bottle of comp. B and shaking.

After a short waiting time of 2 minutes the crack resin can be directly applied with the nozzle of the bottle into the joints and cracks.

Eporip SCR is adjustable in the consistency depending on the waiting time, from very fluid for small cracks directly after mixing/shaking the product to a higher viscosity to the end of the potlife for bigger joints or gluing applications. **Eporip SCR** has a very good fluidity, which ensures a very good penetration into the screed and therefore a very good bonding.

Eporip SCR is odourless, solvent free, with very low emissions of volatile organic compounds (VOC) and labelled with EMICODE EC1 Plus.

PRODUCT PROPERTIES

- Odourless.
- Easy preparation and application.
- Variable consistency.
- Very good penetration.
- Very fast hardening.

- Usable without mixing tools.
- Exposure to castor wheels in accordance with EN 12529.
- Solvent free.
- EMICODE EC1 Plus (very low emission).
- Harmless to the health of the installer and the end-user.

RECOMMENDATIONS

- Do not apply **Eporip SCR** at temperatures below +10°C.
- Do not apply **Eporip SCR** on damp surfaces or surfaces which aren't ready for receiving floors.
- Do not apply **Eporip SCR** on dusty, crumbling and loose surfaces.
- In case of direct sunlight outside, the material will turn to yellowish.

APPLICATION PROCEDURE

Preparing the substrate

To ensure a good bond is achieved with **Eporip SCR**, special care must be taken in preparing the surfaces that need to be bonded or sealed.

The surface must be clean, sound and dry.

All loose and crumbling parts, dust, cement laitance and traces of mould-release, oils and paint must be removed by careful sandblasting or brushing.

When applying the product to metal, remove any rust and grease residues beforehand, preferably by means of sandblasting down to shiny metal.

Preparing the mix

Shake component A.

Pour component A into the bottle of component B, close it and shake very well for at least 15 seconds, until a smooth and even paste is obtained.

The graduated bottles permit to use smaller amounts for minor repairs.

Applying the mix

The mixed material will start reaction and curing directly after mixing. Initially the viscosity is more fluid and will become continuously thicker. Small cracks can be directly filled, for larger joints wait approx. 3-5 minutes and fill them then quickly within the working time (approx 10-12 minutes).

For ensuring a good bonding of levelling compounds or adhesives onto **Eporip SCR**, sprinkle **Quartz 1.2** or clean, dry sand on the product while still fresh.

Cleaning

Tools can be cleaned with alcohol or **Cleaner H** while still fresh.

Once hardened, the resin can only be removed mechanically.

CONSUMPTION

Depends on substrate roughness and on working methods.

Typical consumption rate is approx. 1.7 kg/l of cavities to be filled.

PACKAGING

Eporip SCR is delivered in 2 bottles (component A + B) with each 300 ml in a box containing 6 bottles, including the curved steel clamps.

STORAGE

Eporip SCR when stored in its original sealed packaging in a cool and dry place has a shelf live of 12 month.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

When the product reacts, it generates considerable heat. After mixing components A and B we recommend applying the product as soon as possible and to never leave the container unguarded until it is completely empty.

PRODUCT FOR PROFESSIONAL USE



TECHNICAL DATA (typical values)

PRODUCT IDENTITY

| | component A | component B |
|-------------------------------|------------------------------|-------------|
| Consistency: | fluid paste | fluid paste |
| Colour: | transparent | brownish |
| Density (g/cm ³): | 1,45 | 1,18 |
| EMICODE: | EC1 Plus - very low emission | |

APPLICATION DATA (at +23°C - 50% R.H.)

| | | |
|--|---|--|
| Mixing ratio: | component A : component B = 1 : 1 (by volume) | |
| Consistency of mix: | fluid paste | |
| Colour: | yellowish | |
| Density of mix (g/cm ³): | 1,315 | |
| Curing time: | 10-12 minutes | |
| Waiting time before the application of levelling compounds or adhesives: | approx. 45 min. | |
| Application temperature range: | from +10°C to +30°C | |
| Final curing time: | 24 hours | |

FINAL PERFORMANCE

| | |
|--|-----|
| Compressive strength (after 24 h) (kg/cm ²): | 530 |
|--|-----|



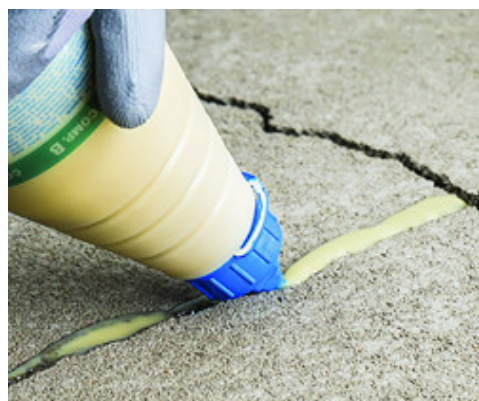
Kit made of comp. A and comp. B



Pour comp. A in the bottle of comp. B



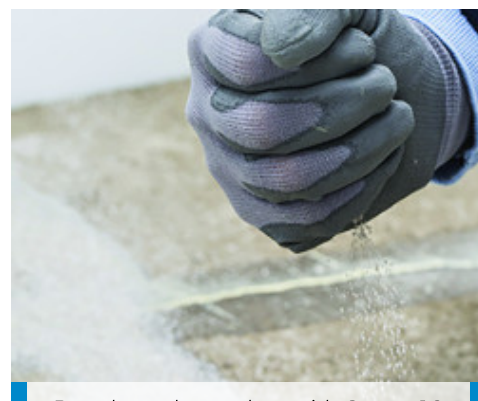
Close the bottle and shake well for at least 15 seconds



Pour the product into the crack using the nozzle



Spread the product evenly to fill the crack



Broadcast the product with Quartz 1.2 or clean sand while still wet so that the next layers adhere more firmly

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely

indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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