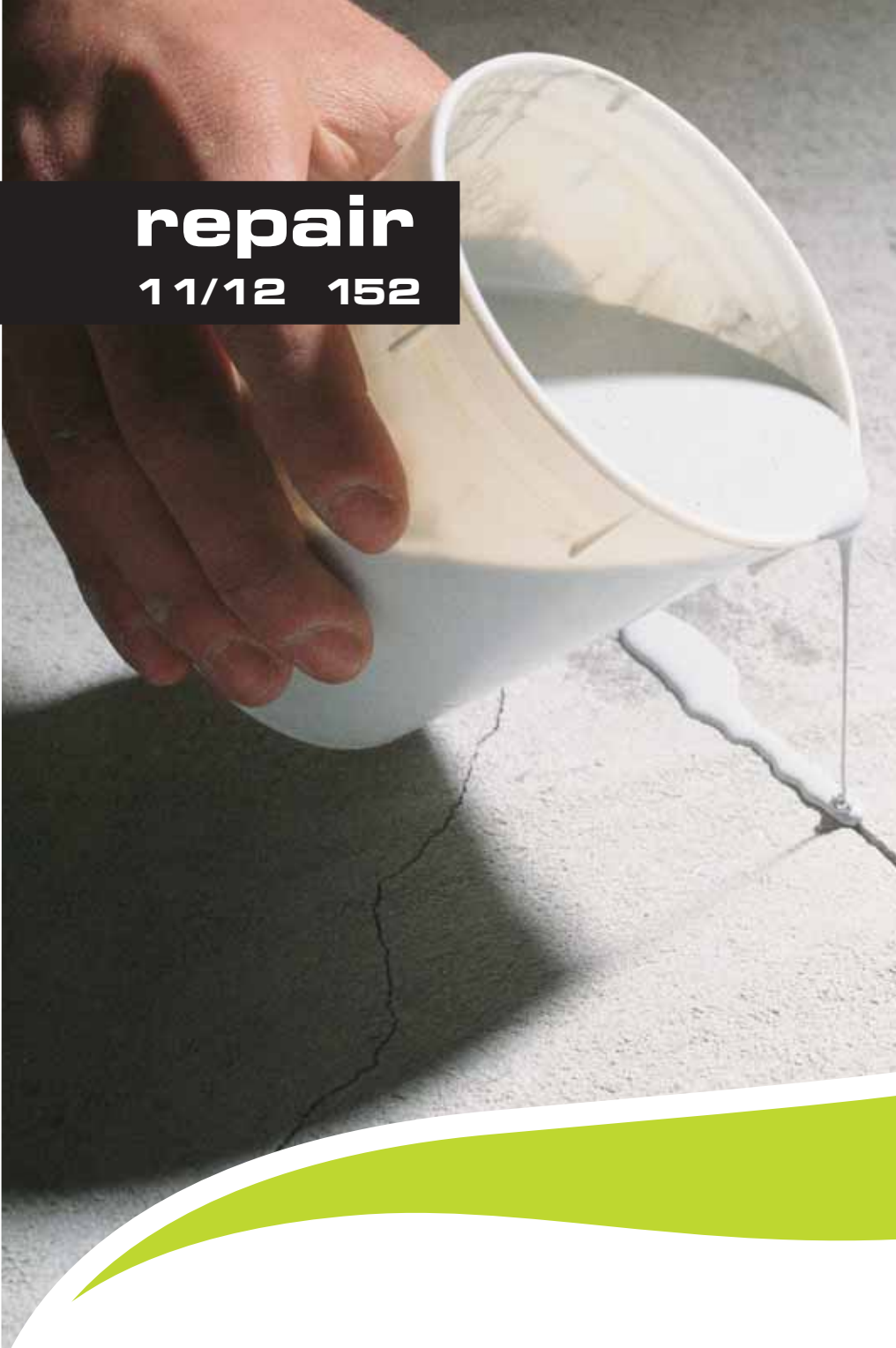


repair

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REPAIR

Bicomponent pourable epoxy resin for plugging cracks and creating casting joints.

**substrate
preparation**

TECHNOKOLLA®





86/14



5-30°C



Trowel /
Roller



60 min



repair



MAIN FEATURES

Two-components (A+B)
Fluid
High performance

APPEARANCE

Comp. A: light grey paste Comp. B: liquid

STORAGE

12 months in dry place

FIELDS OF USE

- Making casting joints in concrete or cement-based screeds.
- Repairing curing cracks in conventional substrates or in concrete.
- Bonding iron rods or plates to concrete.
- Bonding precast concrete structures.
- Adhesion-promoter for cement-based skimming and self-levelling mortar on smooth substrates.

SUBSTRATES

Sanded metal, leveling products, wood, fiber cement, concrete, cement-lime mortar, cement-based screeds, old ceramic or marble floors.

NATURE OF THE PRODUCT

REPAIR contains epoxy resin, mineral charges and specific additives.
For further details, ask the technical office for the safety brief or download it from the web site www.technokolla.com.

HOW TO PREPARE THE MIXTURE

REPAIR is a "reactive" product. This means that it sets through chemical reaction between two components, A and B. It is therefore very important to ensure that these components are thoroughly mixed together. Proceed by pouring the liquid (comp. B) onto the paste (comp. A) and mix by blender with spiral whisk attachment. Stop blender and scrape the bottom and sides of the bucket with a trowel to ensure that the two components have thoroughly blended together.



substrate preparation

RECOMMENDED ACCESSORIES



437145

Blender 1200



437149

Whisk attachment



443312

Stainless steel trowel 3x3 mm
triangular serrations



443325

APPLICATION

When the product is used for plugging and sealing cracks in substrates due to shrinkage during the curing period, make a light incision in the crack with a disc grinder, so that the product can be more easily poured into it. It is also advisable to make incisions perpendicular to the crack, about 30 cm away from each other, so the surface becomes sound and solid again, and fit for any type of cladding. Iron rods must be buried in the perpendicular incisions if the substrate is made of concrete. If used to make casting joints, just remember that REPAIR must still be fresh when the new casting is made. If used as adhesion-promoter for cement-based self-leveling and skimming mortar on smooth surfaces like ceramic, marble or aerated industrial concrete, apply REPAIR by smooth steel trowel or, better still, by sponge roller. Immediately after application, cover the treated surface with fine, dry sand, such as TECHNOKOLLA's QUARTZ.

Smoothing products can be applied next day, after all the sand has been removed by vacuum cleaner. Tools used with REPAIR can be easily cleaned with solvents (ethyl alcohol, toluol, etc.) while the product is still fresh. It is very difficult to clean off the product once it has hardened.

WARNINGS AND RECOMMENDATIONS

- must be applied "wet on wet" if used for making casting joints
- the mixing ratio must not be changed
- wear rubber gloves when using the product
- apply to substrates that are dry or damp, but not wet
- do not use to reinforce cement-based substrates. Use TC-MAS or PRIMERFIX
- do not add anything to the product that is not specified in this data sheet
- do not apply at temperatures lower than 5°C or higher than 30°C
- do not use on substrates subject to rising damp

CONSUMPTION

Casting joints	Crack repairs	Adhesion-promoter
0.8-1.7 kg/m ²	100-150 g/lm	150-200 g/m ²

repair

TECHNICAL DATA	COMP A	COMP B
Colour	Light Grey	Yellowish
Weight density	approx. 1.7 kg/l.	approx. 1 kg/l.
Brookfield viscosity (mPa·s)	approx. 15,000	approx. 1000
Mixing ratio (%)	86%	14%

AFTER BLENDING	COMP A+B
Appearance of mixture	Very fluid and pourable paste
Weight density of mixture	approx. 1.55 kg/l.
Pot life at 10°C	80-10 min.
Pot life at 25°C	50-70 min.
Pot life at 30°C	30-40 min.
Open time at 10°C	4-5 h
Open time at 25°C	3-4 h
Open time at 30°C	1.5-2 h
Thermal resistance	from -40°C to +100°C

FINAL PERFORMANCE	
Final setting	After 5-7 days
Bond to concrete	Cannot be determined owing to breakage of concrete
Bond to steel	approx. 20 N/mm ²
Final compressive strength	>60 N/mm ²

SPECIFICATION

Casting joints must be made using water-free, epoxy-based, bicomponent adhesive, such as TECHNOKOLLA's REPAIR.

Technokolla reminds you to examine the "notes" document that completes the information in this data sheet.

The document can be downloaded in the pdf format from the website www.technokolla.com.

The advice about technical matters in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, is the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.



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