



DRI-PATCH EP 90

High strength epoxy patching mortar

Specially designed with specific resins and fillers to provide high early strength and ultimate strength. Commonly used to patch critical areas such as industrial floors, runways, bridge bearings, or any areas with high abrasion and impact requirements.

FEATURES/BENEFITS

- Shrinkage-free hardening
- Easy to mix and apply
- Rapid hardening
- High impact, vibration resistant
- Reduces down-time
- Fast curing
- High initial & ultimate mechanical strength

APPLICATION AREAS

- Industrial floors
- Crane rails / bridge bearings
- Kerbstones
- Foundation slabs
- Joint treatments between SBG/precast concrete panels
- Patching of holes, void filling
- Abrasion and impact resistance wearing layer
- Concrete runways
- Etc.

PRODUCT DATA

Appearances / Colours	Grey (mixed)
Packaging	20 kg set
Storage	12 Months from date of production
Storage Condition	Dry conditions at Temperature between 5 - 35 °C

GENERAL INFORMATION

Origin	Epoxy resin with special fillers
Density	Approx 2.0 kg/L at 23°C
Change in volume	No shrinkage

TECHNICAL DATA

Description	1 Day	3 Days	7 Days
Compressive Strength (N/mm ²)	>50	>70	>90

Bond Strength	1 Day	3 Days
Concrete dry (N/mm ²)	>3.0	>3.0
Steel (N/mm ²)	>5.0	>10.0

* Failure at concrete

APPLICATION CONDITIONS

Pot life	20 – 30 minutes at 23 °C
Setting time	45 minutes at 23 °C
Curing Time	Initial: 24 hours at 23 °C Final: 7 days at 23 °C

SUBSTRATE

New concrete should be cured for >28 days and should have a pull-off strength of min. 1.5 N/mm². Cement or mineral-based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open-textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed.

MIXING

Mix all of Part B with all of Part A for at least 2 minutes with a low-speed electric drill (max. 500 rpm) until a smooth consistency and homogeneous colour is achieved. Then add all of Part C and continue mixing until a homogeneous mortar is obtained.

Avoid aeration while mixing. Dispense the mixture into a clean container and mix for another 1 minute at low speed. Mix all components, partial mixing is not recommended. Use immediately.

TOOLS

Clean tools immediately with suitable solvent based cleaner.

LIMITATIONS

- This is an epoxy-based product and may have slight changes in colour when exposed to UV-rays or environmental contaminants.
- The pot life of the material is shorter at high temperatures and is longer at low temperatures. The larger the quantity mixed, the shorter the pot life.
- All technical data stated are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH & SAFETY

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

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer 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. The manufacturer 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.

