



DRI-PATCH EP-90

High strength epoxy patching mortar

3-component, epoxy repair mortar. Specifically designed with specific resins and filler to provide high early strength & 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 & apply
- ✓ Rapid hardening
- ✓ High impact, vibration resistant
- ✓ Reduce 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



DRITECH CHEMICALS SDN. BHD. (1184082-K)

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Product Data

Appearances / Colors	A+B+C mixed: Grey
Packaging	20kg/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	~2.0 kg/l at +23°C
Change in volume	No shrinkage
Setting time	45 minutes @ 23 °C
Curing Time	Initial 24hours @ 23 °C Final 7days @ 23 °C
Pot life	20-30minutes @ 23 °C

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

*100% concrete cohesion failure.

SUBSTRATE

New concrete should be cured for at least 28 days and should have a Pull off strength $\geq 1.5 \text{ N/mm}^2$. 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.

Prime with **DRI-PATCH EP-90** Primer for dry substrate. On damp substrates (no standing water) use **DRI-PATCH UA-80** as primer, work well into substrate. Always work wet-on-wet on the bonding bridge/primer.

MIXING

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

APPLICATION

Apply **DRI-PATCH EP-90** while the primer is still tacky. Uncured material should be protected from scouring and displacement by moving water until cured.

TOOLS

Clean tools immediately with suitable solvent based cleaner.

LIMITATIONS

- ❖ **DRI-PATCH EP-90** resins are subjected to yellowing under sunlight
- ❖ All technical data stated in this product data sheet are based on laboratory test. 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.