



Description

DuraEP is a two-component high strength epoxy resin patching mortar. It is easy to mix and creates minimal shutdown time to the area under repair. Ideal for repairing damaged concrete surfaces such as steps, ramps, spalled concrete and expansion joints.

- Heavy duty, suitable for high traffic areas
- Internal / External application
- Can be applied to a feather edge
- Can be applied for fixing the steel for anchoring
- High mechanical strength
- High abrasion resistance
- Physiological harmless after curing
- Non-skid, abrasion resistant finish
- Excellent chemical resistance
- Pre-weighed packs ready for mixing onsite
- Low odour suitable for food environments

Applications

- As a floor coating screed
- As a repair mortar for concrete surfaces like industrial floor, loading areas, dilatation joints etc
- As a bedding or underfilling mortar

Technical Data

Compressive strength (28 days)	EN 196-1 60-70 N / mm ²
Tensile strength (28 days)	EN 196-1 28,0 N / mm ²
Adherence (concrete surface) (14 days)	4,0 N / mm ²
Density	1,90 g / cm ³
View	sand color grout
Pot life	(20 °C – 1 lt) app. 40 minute
Curing periyod	(+ 20°C ve % 50 moisture) app. 24 hour
Final mechanical and chemical values reach after 7 days	
Application temperature	min. + 5°C
Mixing ration (weight)	2:1 – A:B
Color	grey

Instructions

Surface preparation

Surfaces must be clean, sound and dry. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, waxes, form oil and similar contaminations should be cleaned or removed prior to application.

Surfaces must be prepared by mechanical means e.g. Blastrac shot blasting.

Minimum requirements

- Free of cement laitance, dust, oil, fat and other contaminants
- Open textured, absorbent surface
- Pull of strength min 1,5 N/mm²



- Concrete residual moisture max. 4%

Do not apply on concrete surfaces with rising damp conditions or take appropriate measures before application.

Preparation of Mixture

Condition material to room temperature. Premix A and B components. Add B component to A component and mix until uniform in color. Transfer mixture to clean container and mix again for at least 1 minute.

Mixing should be done with low speed drill and mixing paddle.

Application

Whilst the primer is still tacky, spread DuraEP Mortar evenly and trowel down firmly with a trowel or spatula. Clean the trowel or spatula regularly with Thinner No.1 to prevent mortar sticking to the trowel.

To fix the anchor bars to reinforced or similar structures, the hole must be prepared according to the anchoring details. After the product is mixed and prepared, it is fixed iron rod fixation according to the detail of DuraEP to be drilled into the leak-proof sausage guns.

Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature

Consumption:

- For every mm thickness 1,90 kg / m²

Packaging

- 5 Kg Set
- 3 Kg set

Storage

Store in dry conditions and at room temperatures, in original containers.

Shelf Life

24 months.

Notes

- Do not apply on wet or frozen surfaces.
- Do not apply on dusting or weak surfaces. If in doubt, perform adhesion test.
- Cold temperatures lengthen and hot temperatures shorten pot life and curing time of the mixed material.
- High levels of humidity might prevent proper curing of epoxy adhesive.
- Do not add solvents or thinners.
- Do not apply on concrete which is fresher than 3-4 weeks.