



High Strength and Corrosion Resistant Polymer Modified Grout

Description

Duratop T311 is two component polymer modified, highly fluid cement based non-shrink grout suitable for heavy duty and aggressive environment. This grout has excellent adhesion, abrasion resistance and high strength.

Features and Benefits

- No Shrinkage
- High compressive and bonding strength
- Adjustable consistency
- Waterproof
- Chemical and chloride resistance
- Low permeability
- Reduce carbonation rate up to 10 times

Instruction for Use

Surface preparation

- Concrete Substrate must be clean, free from dust, grease, oil or weak materials.
- Concrete must be chipped out at least 2 cm. behind rebar.
- Rusted rebar must be cleaned.

Rebar Protection

Prime all exposed rebar with Rebar Primer at least 1 coat (approx. 200 micron.)

Priming Substrate

Concrete substrate should be saturated with water but no ponding. Apply Durabond S solution (Durabond S : water = 1 : 1) on to concrete surface by brush or roller that placing Duratop T311 by trowelling or pouring.

Note:

Don't allow Durabond S solution to dry before for placing **Duratop T311** otherwise Durabond S : water : cement = 1 : 1 : 1 mixture shall be used instead of Durabond S solution

Mixing

Pouring comp. A (liquid) into container, then gradually put comp. B (Powder) while mixing with low speed drill (400-600 rpm.) approximately 3-5 mm. Until homogeneous consistency is achieved. In case of trowelling reduce component A about 0.5 kg or as appropriate. If repair thickness more than 5 cm, washed aggregate can be added to the grout between 30-50 percent by weight.

Placing

Duratop T311 can be applied by trowelling, pouring or pumping. Minimum thickness is 10 mm. Avoid feather edging.

Curing

Curing immediately after dry or deform with water or curing compound.

Cleaning

Clean all tools with water immediately after use.

Storage

Shelf life 1 year in cool and dry place.

Packing

A + B = 30 kg. Set.

Technical Data

<i>Colour</i>	A = milky liquid
<i>Compressive Strength (ASTM C 109)</i>	60 N/mm ² 28 days
<i>Flexural Strength (ASTM C 348)</i>	7-8 N/mm ² 28 days
<i>Bond Strength to Concrete (ASTM C 882-91)</i>	4.0 N/mm ²
<i>Water Absorption After 24 Hrs. (ASTM C 642-82)</i>	3.6% 7 days
<i>Setting Time</i>	Initial Set 3-4 hours Final Set 4-5 hours
<i>Wet Density</i>	2.2 kg./litre
<i>Packaging</i>	30 kg./set
<i>Polymer Content</i>	15%
<i>Flowability (J14-FUNNEL)</i>	< 13 /Sec.