



MAXRITE®

A FAST-SETTING POLYMER MODIFIED CEMENTITIOUS REPAIR MORTAR

Description

A fast-setting polymer modified cementitious mortar designed for structural repair of new or old concrete. Spalled and broken concrete can be restored to its original condition without form work.

Uses Replacement of concrete with corroded reinforcements, due to carbonation, excessive chloride concentration, alkali-silica reaction, etc.

Advantages

- Quick setting. Repair can be completed in one operation.
- Finished result comparable to original concrete.
- Odourless, non-toxic, waterproof.
- Can be used for repair of tanks, reservoirs and water retaining structures, canal banks, fish ponds, bridges or high rise concrete structures.
- Good adhesion to reinforcement bars and inhibits rusting.
- Freeze-thaw resistant.
- Good impact strength.
- Long life.

Preparation

Remove all damaged and loose concrete to expose a structurally sound base.

If visible, expose all re-inforcement bars and grit blast or otherwise clean, to remove all rust and scale. Do not use metallic brooms. Renew steel if necessary.

Edges to surface must be clean cut to avoid any feather edging. Dampen whole of exposed surface but leave no free standing water.

Mixing

Mixing liquid should consist of equal parts of **MAXCRYL** and water. For the slurry coat mix the **MAXRITE** powder with mixing liquid to a batter consistency. For the repair mortar use 2,5-3 liters of mixing liquid per 25 Kg. of **MAXRITE**. Power or manual mixing may be used.

Do not over-mix.

Application

Apply a slurry coat of **MAXRITE** mix by brush over and under reinforcing rods and surface of prepared concrete and into voids.

Add more **MAXRITE** powder to remaining slurry and mix to achieve a mortar consistency.

Apply **MAXRITE** by trowel to prepared area, forcing mixture into voids and under re-inforcement bars. Apply in layers of 3-4 cms at a time. Scratch each layer and apply next layer when previous layer set (approx. 15 to 20 mins. According to temperature).

Pot life of **MAXRITE** is 20 minutes.

Remodel final layer to original profile.

Within 30 minutes of final shaping, coat whole structure with **MAXSEAL** and **MAXCRYL**. Structure is now completely restored. It is waterproof and damaged areas are indistinguishable. [Top](#)

Technical Data

Density, wet condition:	2,16 Kg/dm ³
Coverage:	2 Kg/dm ³
Setting time, minutes	
Initial:	12 - 15
Final:	18 - 22
Modulus of elasticity	30 x 10 ³ N/mm ²
Thermic shrinkage and expansion coefficient:	6,41 x 10 ⁻⁶ m/m K
Granulates (maximum):	0,7 mm
Compressive strength, after 28 days:	45,8 N/mm ²
Flexural strength, after 28 days:	9,0 N/mm ²
Adhesion strength, after 28 days:	2,1 N/mm ²
Traction strength, after 28 days:	6,0 N/mm ²
Suitable under BS 6920 for potable water reservoirs	

Curing

Under extremely windy or hot conditions, dampen all applied material with a fine spray of water for at least an hour.
Under extreme weather conditions (hot or cold) cover the restored surface with an insulation material.
Do not use curing compounds.

Application Temperature

Do not apply to frost-covered surfaces nor when temperatures expected to fall below 5° C within 12 hours.

Packaging

25 Kilogram sack or drum.

Storage

In sacks and in a dry place, 6 months; in drums, 18 months.

Caution

As all cement products, **MAXRITE** is abrasive. Protective rubber gloves must be used to prepare the mixture and apply it. If any of the mixture gets into the eyes, rinse thoroughly with clean water, but do not rub. If irritation continues, consult a doctor.

Guarantee

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO** reserves the right to introduce changes without prior price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.

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