

Fosroc Renderoc BB Mortar 20kg

Product Images



Short Description

Fosroc Renderoc BB is specifically formulated for the installation of elastomeric bridge bearings. It is a high strength, low shrinkage mortar supplied as a ready to use blend of dry powders which requires only water to produce a mortar. It is based on Portland cements, graded aggregates and chemical additives which provide a mortar with good handling characteristics while minimising water demand. The low water requirement ensures good strength gain and long-term durability.

Description

Renderoc BB concrete reinstatement mortar is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a mortar. It is based on Portland cements, graded aggregates and chemical additives which provide a mortar with good handling characteristics while minimising water demand. The low water requirement ensures good strength gain and long-term durability.

Renderoc BB contains sufficient aggregate to allow it to be finished to a surface roughness suitable for the support of an elastomeric bridge bearing. It also does not contain any plastic or dry state expansive admixtures and does not need to be restrained during set.

Features:

- Rapid strength gain
- Contains sufficient coarse aggregate to provide a rough finish on the surface supporting the bearing
- Uses shrinkage limited cement conforming to AS3972 and RTA 3211
- Aggregate grading in accordance with RTA B80 table B80.3
- No plastic or dry state expansive admixtures
- Aggregate classified as non-reactive when tested for AAR by accelerated mortar bar test in accordance with RTA T363
- Drying shrinkage meets requirements of RTA B80 table B80.7

Ideal for:

- Use as a bearing mortar for the installation of elastomeric bridge bearings

APPLICATION

Surface Preparation:

Mark out the mortar pad perimeter ensuring that the mortar pad extends beyond the edge of the bearing by a minimum of 50 mm, as per the requirements of RTA B284 for elastomeric bearings held in place by friction alone. Saw cut the marked out mortar pad perimeter to a depth of 5-10 mm into the substrate and lightly scabble or needle gun the substrate within the perimeter. The prepared surface should then be cleaned by way of a high pressure water jet to remove any dust from the surface.

Pre-soak the substrate with clean water for minimum 3 hours. When ready to apply the mortar, remove excess pre-soaking water to leave a saturated surface dry substrate. No primer is required providing the above pre-wetting is carried out.

Mixing:

Care should be taken to ensure that Renderoc BB is thoroughly mixed. A forced-action mixer is essential. Free-fall mixers must not be used. Mixing of part bags should never be attempted. For normal applications, place drinking quality water into the mixer and, with the machine in operation, add 1 full 20 kg bag of Renderoc BB and mix for 3 - 5 minutes until fully homogeneous. Never exceed the maximum water addition.

Placement:

Apply the mixed Renderoc BB to the prepared substrate by gloved hand, trowel or pouring into formwork. In the case of an elastomeric bearing held in position by friction alone, extend the mortar pad beyond the edge of the bearing a minimum of 50mm outside the edge of the bearing. In the areas outside these minimum extents, the mortar pad top surface must slope away from the bearing. Finishing Renderoc BB is finished by striking off with a straight edge and then finishing with a wooden float.

Renderoc BB should be cured immediately after finishing in accordance with good concrete practice. Good

curing can be achieved by applying Concure A99 to the mortar pad immediately after finishing.

Clean Up:

Renderoc BB should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Storage:

Shelf life of 24 months from date of manufacture if kept in a cool dry place.

Yield:

Approximately 10 litres/20 kg bag.

Additional Information

CODE	FC300250-20KG
U.O.M	Each
Weight	20
Brand	Fosroc
Range / Model	Renderoc
Size	20 kg
Appearance / Composition	Powder
Application Thickness (mm)	20 - 150 mm with or without formwork (depending on mix consistency)
Cure Time	Initial - 3 hours, Final - 5 hours
Compressive Strength at 7 days (MPa)	77 (dry pack) 58 (trowellable) 47 (flowable)
Compressive Strength at 28 days (MPa)	79 (dry pack) 60 (trowellable) 56 (flowable)
Yield	Approximately 10 litres per bag

