

X-Roc Latex

Multi-purpose primer and mortar additive.

Product Description

X-Roc Latex is a styrene butadiene rubber latex used to improve the mechanical and waterproofing properties of sand cement based renders, screeds and mortars. Renders, screeds and mortars made with X-Roc Latex display improved resistance to abrasion, freeze/thaw, water ingress and certain chemicals. X-Roc Latex will not re-emulsify in wet or immersed conditions.

Advantages

- Easy to use
- Multi-function
- Improves mortars and screeds
- Can be used in immersed conditions
- WWWO Certified

Uses

- Water resistant renders and screeds
- Bonding new concrete to old
- Chemical and abrasion resistant screeds
- Repair and patching of concrete floors
- Industrial floors and screeds
- Concrete repair
- Water resistant adhesives for tiles, artificial stone kerbs, copings

Mix Designs

General Purpose Render, adhesive Mortar, repairing mortar and Screed

50 kg	Type 1 Portland cement
150kg	Washed sharp sand (medium grading)
9 liters	X-Roc Latex
13 liters	Water (approximate)
Yield	125 liters (approximate)

Heavy Duty Floor Screed (Min. Thickness 25mm)

50kg	Type 1 Portland cement
90 kg	3 to 5mm hard aggregate such as granite
90 kg	Washed sharp sand (medium grading)
6 liters	X-Roc Latex
24 liters	Water (approximate)
Yield	120 liters (approximate)

Bonding Bridge slurry

Mix design	weight
Cement	44
Sand	29.3
X-Roc Latex	26.7
Yield	50 liters

Apply the Slurry onto the pre-wetted substrate in 1-2 mm thickness and apply the subsequent mortar renders immediately (wet onto wet application).

Laboratory Test Data

Property	Typical Results
Nature	Liquid
Color	White
Specific gravity	1.006 ± 0.002
Chloride content	Nil

Specification Compliance

- 1- ASTM C1059 Type II
- 2- BS 6319 part 8

Packaging

1 kg, 4 kg, 20kg and 200kg Packs.

Shelf Life

12 months when stored below 95°F(35°C) under shade in a dry environment.

Installation Guidelines

Surface Preparation

All surfaces must be clean and structurally sound. Oil and grease must be removed. This can be achieved using X-Treat Substrate Cleaner. For best results, the surface of the concrete should be mechanically scarified or scabbled, although other methods, including grit blasting, hydro blasting and acid etching can be used.

Mixing

Using an NCC X-Calibur approved forced action mechanical mixer, add the cement and aggregates and mix for one minute. Continue mixing and add X-Roc Latex, pre-dispersed in the mixing water, and mix for at least a further three minutes until fully mixed.

Mortars

Thickness is dependent on application but 15mm is normal. On vertical surfaces this is built up in two applications. Normal time between applications is 5 hours but this is dependent on temperature.

Where more than one coat is applied ensure that the intermediate coats are cross hatched to provide a mechanical key. If the surface dries out completely then the surface should be re-primed.

Renders

Two priming coats should be applied ideally at right angles to one another. The second coat should be applied immediately after the first coat has dried, approximately 30 minutes. Apply general purpose mortar while the primer is still tacky. Minimum thickness is 10mm. Where more than one layer is applied, ensure that the intermediate layers are hatched to provide a mechanical key. If the surface dries out completely then the surface should be re-primed. Allow 5 hours between layers.

Screeds

Apply up to 75mm in one application; the minimum screed thickness should be 25mm. Ensure that the screed is well bonded to the substrate and that it is fully compacted. Do not use water to finish the surface as this will cause cracking, crazing and dusting of the surface.

Curing

Cure for a minimum of three days using a curing compound or water. The longer the curing period (up to seven days) the better will be the performance of the mortar. Screeds should be continuously water cured for seven days.

Limitations

Do not allow to dry before applying mortar (when being used as a primer).

Do not discard into the water system.

Avoid excessive application,

Avoid skin contact,

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Chemicals **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Chemicals shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.