

Material properties and specification - at a glance

■ Nitoprime Zincrich - epoxy zinc primer

Specification

The steel reinforcement primer shall be Nitoprime Zincrich, by Fosroc, supplied and packed as a ready to use single component, zinc-rich liquid. An unbroken coating of 40 microns shall provide 'active' galvanic protection within the repair zone. Its viscosity shall enable the coating to penetrate imperfections and pits within the surface of corrosion-damaged steel bars.

Properties

S.G.	: 2.5
Application thickness :	
dry -	40 microns
wet-	135 microns

■ Nitobond EP - epoxy resin, bonding agent

Specification

The bonding agent for use in the Renderoc repair mortar system shall be Nitobond EP, by Fosroc, supplied as a modified, two-component solvent-free epoxy resin. The two component shall be differentially pigmented in order to ensure visually that the correct mixing has taken place prior to the application. The cured material shall exhibit performance characteristics as listed opposite.

Properties

Comp. str.	: 70 N/mm ²
Ten. str.	: 36 N/mm ²
Slant Shear:	38 N/mm ²
Water abs. :	0.05%
Viscosity :	64poise

■ Renderoc LAXtra - cementitious, repair mortar

Specification

The repair mortar shall be Renderoc LAXtra, by Fosroc, incorporating Dimensional Stability Technology. The cured material shall exhibit performance characteristics as listed opposite.

Properties

Comp. str.	: 60 N/mm ²
DIN perm.	: < 10 mm
Water abs. :	< 2 %
Drying shrinkage	
7 days :	< 300 microstrain
28 days:	< 500 microstrain

■ Rendercure - Renderoc curing membrane

Specification

The curing compound for repairs shall be Rendercure, by Fosroc, supplied as a low viscosity, single component, white liquid which dries to form a clear film. It shall exhibit performance characteristics as listed opposite.

Properties

Curing efficiency :	90%
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