Material properties and specification - at a glance

■ Dekguard E2000 - elastomeric coating

Specification

The protective coating shall comprise Dekguard Primer DG, a penetrating silane-siloxane primer and Dekguard E2000, a single-component, aliphatic acrylic coating, with crack bridging ability - both by Fosroc. The total dry film thickness of the coating shall not be less than 200 microns and shall be capable of providing carbon dioxide diffusion resistance equivalent to not less than 125 mm of 30 N grade concrete cover or 50m of air cover (by the Taywood method). It shall produce zero chloride ion diffusion after 900 days (by the Taywood method) at a nominal dry film thickness of 200 microns. It must exhibit a water vapour transmission resistance (S_D) of not more than 0.32 metres (by the Taywood method) at a nominal dry film thickness of 200 microns. It shall provide static crack bridging ability of not less than 2 mm (BRE Test method).

Properties

CO_2 diffn. :	R > 175 m S_c > 500 mm
Chl. diffn. :	Zero after 60 days testing
H_2O trans. :	S_D = 1.0 m
Crack span:	2 mm

■ Dekguard Filler - intercoat, acrylic pinhole filler

Properties

Bulk density :	1500 kg/m³

Specification

The intercoat pinhole filler shall be Dekguard Filler, by Fosroc, supplied as a one part acrylic paste. It shall be completely compatible with the Dekguard E2000 protective coating system.