

Description

Archco-Rigidon 701 ESR is a 3 component heavy duty trowel applied lining formulated from an epoxy based resin reinforced with woven glass cloth. This lining is designed for the protection of concrete substrates and is applied at a nominal thickness of 3 to 4mm.

It comprises:

- * An epoxy primer
- * A silica filled 701 ESR base coat
- * A single layer of woven glass cloth impregnated with resin
- * A silica filled 701 ESR resin top coat

Principal Characteristics

- * Excellent resistance to 98% sulphuric acid
- * Excellent abrasion resistance
- * Excellent erosion resistance
- * Easy to repair
- * Good application properties

Corrosion and Temperature Resistance

Archco-Rigidon 701 ESR is designed primarily to give protection to concrete in total immersion or subject to spillage of 98% sulphuric acid at temperatures up to 40°C.

Suggested Uses

Archco-Rigidon 701 ESR is intended for lining bunds, plinths and acid tanks.

How to Order

A full material system may be ordered by simply specifying **Archco-Rigidon 701 ESR**

Contact **Archco-Rigidon** engineers for further information.

Archco-Rigidon 701	Epoxy
Operating Temperature Range	Max. +40°C
Application Method	Trowel and hand lay up.
Surface Preparation	Grit blast or scabble in order to remove surface laitance.
Colour	Grey
Hardener Type	Amine
Volume Solids	100%
Dry Film Thickness	3-4mm
Min Substrate Temperature	+10°C
Max Humidity During Application	90% Rh
Min Dewpoint/Substrate Differential	Dewpoint +3°C
Flash Point	98°C
Tool Cleaning Solvent	Archco-Rigidon E2
Storage Temperature Limits	10°C – 20°C
Shelf Life	12 months

Estimated Practical Coverage Rates	Practical Material Requirement
Component	Quantity/m ²
Denso Epoxy Concrete Primer	0.25kg
701 ESR Resin	2.00kg
FS1 Filler	4.00kg
Woven Glass Cloth	1.10m ²
701 ESR Hardener	1.08kg
E2 Cleaner	0.50 litres
E20 Rolling Aid	0.25 litres

Archco-Rigidon 701 ESR typical Test Data			
Characteristic	Standard	Result	
Tensile Strength	ASTM C-307-55	2,200 psi	155kg/cm ²
Compressive Strength	ASTM C-306-55	12,900 psi	910kg/cm ²