

## Description

**Archco-Rigidon 706 A** is a 2 component heavy-duty trowel applied lining formulated from an Isophthalic Polyester based resin reinforced with woven glass cloth.

The lining is intended primarily for the protection of concrete tanks, floors, bunds etc.

It is applied to suitably prepared concrete substrates to a nominal thickness of 3 to 4mm comprising:

- a vinyl ester primer
- a silica filled **706 A** resin base coat
- a single layer of woven glass cloth impregnated with **706 A** resin
- a silica filled **706 A** resin top coat

## Principal Characteristics

- \* Excellent corrosion resistance
- \* Excellent abrasion resistance
- \* Excellent erosion resistance
- \* easy to repair
- \* will bridge live cracks
- \* good application properties

## Corrosion and Temperature Resistance

**Archco-Rigidon 706 A** is resistant to corrosive mineral acids, alkalis and certain solvents at temperatures up to 65°C depending upon chemical type and concentration levels.

## Suggested Uses

**Archco-Rigidon 706 A** is intended primarily for the protection of concrete although it can be applied to steel in certain circumstances.

**Archco-Rigidon 706 A** is widely used to protect concrete holding and treatment tanks for lining bunds, sumps and channels and for protecting floors which are subject to chemical spillage.

## How to Order

A full material system may be ordered by simply specifying **Archco-Rigidon system 706 A**.

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

Archco-Rigidon 706 A	Isophthalic Polyester
Operating Temperature Range	Min -10°C Max +65°C
Application Method	Trowel and hand lay up
Surface Preparation	Gritblast, scabble or acid etch in order to remove surface laitance.
Colour	Grey
Catalyst Type	Archco-Rigidon C2
Volume Solids	N/A
Dry Film Thickness	3 to 4mm
Min Substrate Temperature	+10°C
Max Humidity during Application	90% Rh
Min Dewpoint/Substrate Differential	Dewpoint +3°C
Flash Point	31°C
Tool Cleaning Solvent	T2 Cleaner
Storage Temperature Limits	10°C - 20°C
Shelf Life	6 months
Chemical Resistance: Extensive – refer to Archco-Rigidon for details and recommendations	For guidance only. Reference can be made to column D in the Archco-Rigidon Chemical Resistance Guide

Estimated Coverages are as follows:	Practical Material Requirement
Component	Quantity/m <sup>2</sup>
706/02 PD2 Primer	0.25kg
706/06 706 A Resin	3.00kg
706/26 FS1 Filler	4.00kg
706/40 Woven Glass Cloth	1.10m <sup>2</sup>
706/11 C2 Catalyst	0.07kg
706/16 T2 Cleaner	0.50 litres
706/18 P21 Rolling Aid	0.25 litres

System 706 A Typical Test Data			
Characteristic	Standard	Result	
Tensile Strength	ASTM C-307-55	2,200 psi	155kg/cm <sup>2</sup>
Compressive Strength	ASTM C-306-55	12,900 psi	910kg/cm <sup>2</sup>