

Description

Archco-Rigidon Rigspray is a 2-component medium duty brush or airless spray applied lining. It is formulated from an isophthalic Polyester resin reinforced with 0.4mm glassflakes. The lining dry film thickness is normally 0.8 -1000 mm. More than one coat can be applied if required.

Principal Characteristics

- * Excellent corrosion resistance
- * Very good abrasion resistance
- * Very good erosion resistance
- * Very low permeability
- * Good chemical resistance
- * Excellent application properties
- * Single coat application up to 1mm D.F.T.
- * Excellent undercutting resistance
- * Lower styrene emissions
- * Rapidity of cure
- * Excellent repairability

Corrosion and Temperature Resistance

Archco-Rigidon Rigspray is suitable for use in aggressive marine environments and resists some mildly aggressive chemicals at temperatures up to 65°C under immersion conditions.

Archco-Rigidon Rigspray is used primarily to protect steel structures from corrosive attack.

Rigspray is widely used for the protection of steel structures subject to the most aggressive marine environments, where abrasion and erosion are also a problem, i.e. splash zones, under-deck areas, helidecks, and main deck surfaces.

How to Order

A full material system may be ordered by simply specifying

Archco-Rigidon Rigspray (System 456).

Our quotations include a 40% wastage factor. Contact **Archco-Rigidon** engineers for further information.

*Note:

C2 = Butanox M50 or approved equivalent
C3 = Butanox LPT-IN or approved equivalent

Rigspray	Isophthalic Polyester	
Operating Temperature Range	Min. -50°C Max. +65°C	
Application Method	Airless Spray or Brush	
Surface Preparation	Gritblast to Sa2½ min.	
Colour	to specification	
Catalyst Types	Archco-Rigidon C2, C3, M50 or LPT-IN	
Volume Solids	98%-99%	
Dry Film Thickness	800-1000 Mic.	24-40 mils.
Min Substrate Temperature	5°C	
Max Humidity during Application	90% Rh	
Min Dewpoint/Substrate Differential (steel)	Dewpoint +3°C	
Flash Point	31°C	
Overcoating Times (20°C)	Min. 4 hrs - Max 3 Days	
Tool Cleaning Solvent	T2 Cleaner	
Storage Temperature Limits	10°C - 20°C	
Specific Gravity	1.3	
Shelf Life	6 Months	
Chemical Resistance: Extensive – refer to Archco-Rigidon for details and recommendations	For guidance only. Reference can be made to column A in Archco-Rigidon Chemical Resistance Guide.	

Estimated Coverages are as follows:	Theoretical Material Requirement	Practical Material Requirement
Component	Quantity M ² /0.8mm DFT	Quantity M ² /1000mm DFT
456/04 Rigspray Resin Mix	1.60 kg	2.0 kg
456/11 C2, C3, M50, LPT-IN	0.02 kg	0.04 kg
456/16 T2 Cleaner	0.50 litres	0.50 litres

Rigspray Test Data			
Characteristic	Standard	Result	
Abrasion Resistance	ASTM D 4060	0.035gm (smooth)	
Adhesion Properties	ASTM D 952	8 Mpal	
Cathodic Disbondment	BG/CW6	6mm	
Tensile Strength	ASTM D 638	4715 psi	332kg/cm ²
Flexural Strength	ASTM D 790	10040 psi	707kg/cm ²