

**Description**

**Archco-Rigidon Rigspray Micro** is a two component medium duty brush or roller or spray applied lining. It is formulated from an Isophthalic Polyester resin reinforced with micro glassflakes. The lining dry film thickness is normally 0.6 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 300-600 microns.
- \* Excellent undercutting resistance
- \* Lower styrene emissions
- \* Rapidity of cure
- \* Excellent UV resistance

**Corrosion Temperature Resistance**

**Archco-Rigidon Rigspray Micro** is suitable for use in aggressive marine environments and resists some mildly aggressive chemicals at temperatures up to 65°C under immersion conditions. (Refer to detailed Chemical Resistance Chart)

**Suggested Uses**

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

**Rigspray Micro** 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.

**Conditions for Spraying**

The product temperature must be between 20° and 25°C for correct spraying viscosity. A maximum of 5% Styrene may be added if the viscosity cannot be controlled by ensuring the correct product temperature for spraying.

**How to Order**

A full material system may be ordered by simply specifying **Archco-Rigidon Rigspray Micro (system 457)**.

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

**\*Practical Spread Rates**

**The above practical spread rates only allow for nominal wastage which occurs during application of the products. The appropriate wastage allowance must be made by the applicator depending on the site circumstances (e.g. Method of application, overspray, etc.). Denso SA cannot be held responsible for any excess usage by the applicator for whatsoever reason.**

RIGSPRAY MICRO	ISOPHTHALIC POLYESTER
Operating Temp. Range Dry	Min. -50°C to Max +85°C
Application Method	Spray, roller or brush
Surface Preparation	Gritblast to SA 2 ½ min
Colour	To specification
Catalyst Type	<b>Archco-Rigidon C2</b>
Volume Solids	98% - 99%
Dry Film Thickness/Coat	300-600 mic.
Min Substrate Temp.	10°C
Gel Time	40-60 minutes @ 25°C
Flash Point	31°C
Over-coating Times	Min 2 hrs - Max 36 hrs @ 25°C
Dry to Handle	4hrs @ 20°C, 2hrs @ 25°C 1hr @ 30°C
Dry to put in Service	8 hrs @ 20°C, 4 hrs @ 25°C 2 hrs @ 30°C
Tool Cleaning Solvent	<b>T2 Cleaner</b>
Specific Gravity	1.2
Shelf Life ( 10°C-20°C)	6 months
Chemical Resistance:	For guidance only. Reference can be made to column A in the Archco-Rigidon Chemical Resistance Guide.

Estimated Coverages are as follows:	Theoretical Material Requirement	Practical Material Requirement *N.B. see note below
Component	Quantity/m <sup>2</sup> / 0.6mmDFT	Quantity/m <sup>2</sup> / 0.6mmDFT
457/04 Rigspray Resin Mix	0.72 kg	1.0 kg
457/11C2 Catalyst	0.01 kg	0.02 kg
457/16 T2 Cleaner	0.50 litres	0.50 litres

Rigspray Test Data		
Characteristic	Standard	Result
Abrasive Resistance	ASTM D 4060	0.035gm (Smooth)
Adhesion Properties	ASTM D 952	8 MPa
Cathodic Disbondment	BS 3900F11	Compatible