

**DENSO WEATHERSHIELD (For Exterior Use)****DESCRIPTION**

WEATHERSHIELD, based on Polyurethane/Acrylic resin, has excellent gloss retention, durability & chemical resistance. It is suitable for protection of outside of superstructures of steel ships, bridges, pipelines, etc.

PRINCIPAL CHARACTERISTICS

- * High Gloss
- * Quick drying
- * Water resistance : Very Good
- * Abrasion resistance : Very Good
- * Solvent resistance : Very Good
- * Chemical resistance : Very Good
- * Flexibility : Good
- * U.V. Resistance : Excellent

SURFACE PREPARATION

The surface must be clean and dry. Surface contamination is to be removed with detergents and fresh water cleaning.

PACKAGING

2 Pack Product
5l and 20l

HEALTH & SAFETY

Please read instructions on container.

Avoid Skin contact, do not inhale vapours.

SKIN: Wash well with soap & water

EYES: Flush with water & immediately seek medical attention. Read Safety Data Sheet.

DENSO WEATHERSHIELD	POLYURETHANE/ACRYLIC TOP COAT
Type	Polyurethane/Acrylic paint
Mixing Ratio	Base: Hardener 9:1 (By Volume)
Colour	Various
Flash Point	Base:18°C, Hardener : 30°C
Solids by volume	51 + 2%
Coverage (Theoretical)	16.17 - 10m ² /ℓ
Operating temp. Range	-40°C to + 120°C
Application temperature	0°C to +40°C
Overcoating times	15°C - 8 hrs / 30°C - 4 hrs
Full Cure	25°C / 7 days
Po t Life (25°C)	4 hours (reduced at high temp.)
Cleaning Solvent	Weathershield Thinners
Storage temperature	+5°C - 25°C
Shelf life	12 months

APPLICATION BY AIRLESS SPRAY, BRUSH

Nozzle Pressure	15 - 20 Mpa
Tip Size	0,33 - 0,46 mm
Spray angle	40 - 80°C
Filter	Ensure filter are clean

	Theoretical Spread Rate M ² / l	Film Thickness (microns)	
		Wet	Dry
Range	16.7 - 10	60 - 100	30 - 50
Typical	12.5	80	40

TYPICAL PAINT SYSTEM

1 x 200μ DFT
1 x STRIPE COAT
1 x 200μ DFT
1 X 50μ DFT

DENSO S.T. EPOXY
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Different Colours
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CHEMICAL RESISTANCE CHART: Duration of Test: 2 month

		Surface Changes	Days			Surface Changes	Days
Distilled water	23°C	None	-	Fuel Oil & 10% water	50°C	None	-
Sea water	23°C	None	-	White Spirit	23°C	None	-
Sulphuric Acid 10%	23°C	None	-	Xylol & Toluol	23°C	None	-
Hydrochloric Acid 10% & 20%	23°C	None	-	Methyl Isobutyl Ketone	23°C	Softening	-
Nitric Acid 10%	23°C	None	-	Methanol	23°C	Softening	-
Acetic Acid 10%	3°C	None	-	Formic Acid 10%	23°C	Softening	30
Soda Sol. Saturated	5°C	None	-	Ammonia 10%	23°C	Softening	30
Caustic Soda 20%	23°C & 50°C	None	-	Hydrogen Peroxide	23°C	Softening	14

*Note: Chemical Resistance Chart for Splash and Spillage only and not continuous Immersion.