ENVIROTHANE 8473

TECHNICAL DATA SHEET

UV Stable Flexible Water Based Polyurethane Topcoat

A & I Coatings **Envirothane 8473** is a high-performance water borne polyurethane pre-filled with slip resistant media to provide a P4 slip rating. It provides ease of use and VOC compliance and is suitable for brush and roller application. This environmentally friendly fast drying coating has very good yellowing and UV resistance on exterior exposure and is typically applied as a UV stable topcoat over flexible water proofing membranes.

USES & BENEFITS	• Seamless Floors • Stadiums • Podiums	• Shopping Centres • Balconies • Walkways	• Patios		
	Benefits: • Excellent colour retention • Low VOC, Meets Greenstar requirement • UV Resistance • Built in P4 Slip Rating • Flexible • Low odour		Limitations • Only available in Satin • Not to be applied below 10°C or above 85% R.H. • Excessive film thickness could cause whitening in clear coats. • Not to be applied directly to concrete. • Foot traffic and irregular maintenance vehicle only		
PROPERTIES	Vehicle Type	Polyurethane			
	Hardener	Water dispersible Isocyanate			
	Ratio	10 : 1 by Volume (Part A : Part B)			
	Pot Life	~ 1 Hours @ 25°C, 60% R.H. **Do not exceed pot life, even if product is still liquid, it will lead to uneven surface sheen and colour.**			
	Colour	AS 2700 Colour Range			
	Finish	Satin			
	Volume Solids	~ 62 %			
	Theoretical Coverage	7 – 9 m^2/L @ 70 – 85 μm DFT per coat			
	Usual No. of Coats	2 Coats			
	Product Density	1.6 kg/L depending on colours			
	VOC Content	85 g/L			
	Primer Requirement	Concrete: Enviroset 2100. Apply directly onto Vitrethane 606 as part of Enduraflex System			
	Application Conditions	10 – 35 °C, **below 85% R.H.** Substrate temperature must be at least 3°C above the dew point.			
Curing Data	Substrate Temperature	Foot Traffic	Light Vehicle Traffic	Full Cure	Minimum Recoat
	25°C, 60% R.H.	16 Hours	72 Hours	7 Days	4 Hours
	The maximum recoat time is 48 hours at 25°C, 60% R.H. If the maximum recoat time is exceeded mechanical abrasion must be carried out to ensure a good mechanical bond. Ensure no water or condensation contact for 2 days from application. **Ensure good air flow is achieved during curing for a proper aesthetic finish.**				
RESISTANCE	Abrasion Resistance	Excellent			

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A&I COATINGS

PROPERTIES	Durability	Very Good
	Hot Water Resistance	60 °C
	Salt Spray Resistance	Good
	Chemical Resistance	Good Contact A&I Coatings for further information
SURFACE PREPARATION	This product is intended for use as a topcoat only. Refer to the relevant primer Technical Data Sheet for surface preparation.	
APPLICATION DATA	Mixing	Pre-mix part A for one minute, then mix Part A and B at 10:1 by volume and mechanical mix for two minutes. Only mix the required amount and use within the stated pot life. Ensure any unused Part B is resealed immediately after use.
	Application	Applied by brush or roller. Contact A & I coatings for advice on appropriate equipment for specific task.
	Cleaning	Clean tools and equipment using clean water.
	Thinning	5 – 20 % water, if required.
PACKING & STORAGE	Packing	Available in 11 L Kits (Part A: 10L, Part B: 1L).
	Storage	12 months when stored indoors in original sealed containers, away from heat and moisture, at temperature of 5 – 30°C. Refer to current Safety Data Sheet for information on safe handling and storage.
	Waste Disposal	Dispose of in accordance with local regulations.
HEALTH & SAFETY	All applicable statutory regulations must be observed during application. Users must read the Safety Data Sheet for **Envirothane 8473** and familiarise themselves with all safety aspects of the product before use.	

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on-site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER: Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.