

ENVIROTHANE 8473

TECHNICAL DATA SHEET

Water Based Two Pack Flexible Polyurethane



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A & I Coatings ENVIROTHANE 8473 is a high-performance water borne polyurethane with pre-filled with non-slip 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.

USES & BENEFITS	• Seamless flooring • Stadiums • Podiums • Shopping Centres • Podiums • Balconies	
	Benefits <ol style="list-style-type: none">1. Very good colour retention properties2. Very good flexibility3. Suitable for brush or roller application4. UV Stable	Limitations <ol style="list-style-type: none">1. Available only in satin2. Not to be applied below 10°C and above 85% R.H.3. Epoxy primer needed on concrete.4. Not to be applied to a hot surface. Not recommended for vehicle or industrial traffic. Foot and light trolley traffic only.5. Minimum surface temperature should be at least 3°C above dew point.
PHYSICAL PROPERTIES	Vehicle Type	Polyurethane
	Hardener	Water Dispersible Isocyanate
	Ratio	10 : 1 (Pack A : Pack B) by Volume
	Pot Life	Approximately 4 hours @ 25°C, dependent on temperature
	Finish	Satin
	Theoretical Coverage	7m ² /Litre @ 90µm(140µm WFT)
	Volume Solids	62%
	Recommended DFT	90µm per coat
	Usual No. of Coats	2 coats
	Colour	Available in an unlimited colour range
	Primer Required	E2000 Clear or E2100 pigmented. (A & I Coatings staff can advise on the most appropriate primer coat for a specific task)
	Product Weight	1.6Kg/Litre dependant on pigment
	VOC	85 grams/Litre (APAS)
ENGINEERING DATA	Abrasion Resistance	Excellent for foot traffic
	Chemical Resistance	Envirothane 8473 displays resistance to many common chemicals in spill or splash situations at ambient temperatures. Consult A&I for specific information. Some chemicals may cause surface staining from prolonged exposure without impacting the coating integrity. Data is available on request. Exposure based on spill and splash cleaned within 24hrs.
	Dry Heat Resistance	120°C
	Hot Water Resistance	Up to 70°C

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	Durability	Very Good			
	Salt Spray Resistance	Good			
CURING DATA	Substrate Temp.(°C)	Foot Traffic	Dry to Handle	Full Cure	Recoat Min
	Standard Hardener 25°C	16 Hrs	-	7 Days	4 Hrs based on good air flow
	Note: When overcoating E8473 with itself, application to occur within 48hrs at 25 °C If applied outdoors, no water or condensation should contact the coating for 2 days from installation.				
SURFACE PREPARATION	All Substrates	As this product is a topcoat only, refer to the TDS of applicable primer.			
	Repaints	All surfaces should be free from oil, grease, loose paint and other contaminants. Though Envirothane 8473 may give good adhesion, a test patch is always recommended before use.			
APPLICATION DATA	Mixing	Stir Pack A using a power mixer, then blend Pack A with Pack B completely and power stir thoroughly for at least 2 minutes before thinning. NB: Reseal hardener tin well if not fully used.			
	Application	Brush and roller. (A & I Coatings technical staff can advise on the most appropriate equipment for a specific task).			
	Ambient Temperature	Apply between 8-35 °C			
	Thinning	Mix A and B first before adding water. Thin with water as needed to achieve an even finish (up to 20%).			
WORK STOPPAGES	General	Once units of paint have been mixed, they should not be resealed, and it is advised that after prolonged stoppages work recommences with freshly mixed units.			
	Clean Up	Clean all equipment after use with Xylene, A & I Coatings recommended cleaner. Frequency of cleaning will depend upon temperature and elapsed time (including delays).			
PACKING & STORAGE	Packing	Available in 11L packs. For availability of other sizes, contact A & I Coatings.			
	Storage	12 months if stored in sealed containers away from heat & moisture. Subject to re-inspection thereafter.			

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation. 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