

Water Based Two Pack Urethane Topcoat ENVIROTHANE 8476

PRODUCT DESCRIPTION: A & I Coatings ENVIROTHANE 8476 is a water borne two pack polyurethane coating which gives excellent adhesion, barrier and film properties on a variety of substrates. It is easy to use and environmentally friendly, with the added benefit of durability, good yellowing and UV resistance on exterior exposure. It has good abrasion and chemical resistance.

TYPICAL APPLICATIONS:

- Cabinetry and joinery
- Architectural and decorative steelwork
- Anti graffiti topcoat
- Concrete and masonry topcoat

TECHNICAL INFORMATION

Vehicle Type	: Polyurethane.
Hardener	: Water dispersible isocyanate.
Pigmentation	: Various.
Mixing Ratio	: 6:1 (Pack A : Pack B) by Volume.
Pot life	: 2 – 3 hours@25°C
Finish	: Gloss, Semi Gloss 50%, Satin 30% or Matt 10%
Colour	: Clear or pigmented.
Dry time (minimum)	: Touch dry 45mins @25°C Dry to handle 3 hours @25°C Full cure 7 days @25°C
Recoat time (minimum)	: May be recoated after tack dry e.g. 2 - 8 hours @ 25°C. N.B. Best results are achieved with a light coat first followed by a double header coat when the water has flashed off.
Primer Required	: Yes, dependant on substrate. Contact A & I Coatings for specific applications.
Theoretical Coverage	: 8.2m ² /L@ 50µm DFT(120µmWFT) for clear, 10.0m ² /L@ 50µm DFT(100µmWFT) for white.
Volume Solids	: 42% for clear, 50% for white
Recommended DFT	: Dependent on substrate but typically 50 – 75 microns.
Usual no. of coats	: 1 - 2
Flexibility	: Very good.
Abrasion Resistance	: Excellent
Bacterial Resistance	: Excellent.
Chemical Resistance	: Very good to a wide range of chemicals. Contact A & I Coatings for specific requirements
Heat Resistance	: Up to 120°C (dry heat).
Solvent Resistance	: Good.
Salt Spray Resistance	: Good.
Thinning and cleaning	: Water.
Durability	: Excellent.
Product weight	: 1.02 – 1.31Kg/Litre
VOC Content	: 41grams/Litre

MERITS:

1. Excellent weathering performance.
2. High gloss up to 92% 60° can easily be achieved.
3. Good chemical resistance.
4. Good mechanical properties.

LIMITATIONS:

1. Not to be applied at very low temperatures or high humidity (<10°C and over 75% R.H.)
2. Prone to bubbling if applied too thick (over 400 micron wft)

APPLICATION DATA

- Mixing** : Power stir Pack A with Pack B thoroughly for at least 2 minutes, without causing an excess of foam, before thinning. Thin 5-10% with water as necessary and gently stir.
- Equipment** : Air or Airless Spray, brush, or roller. (**A & I Coatings** technical staff can advise on the most appropriate equipment for a specific task).
- Cleaning** : Water
- Typical Specification** : Concrete coating
One coat E2100 undercoat applied as per E2100 TDS (or E2000 for clear)
One coat E8476 topcoat at 50 micron DFT. Fully cured in 7 days.

For other substrates contact **A & I Coatings**, or visit our website on www.aicoatings.com

PACKING & STORAGE

- Packing** : Available in 7L or 14L packs. For availability of other sizes, contact **A & I Coatings**.
- Storage** : 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.

HEALTH AND SAFETY : All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Envirothane 8476. Users should familiarise themselves with all the safety accepts of the product prior to usage.

Please ensure the current Technical Data Sheet is consulted prior to specification or application of **A & I Coatings** products. If the surface intended to be painted differs from the specification, please consult the **A & I Coatings** Technical team on 1800 819 585.

WORK STOPPAGES : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner. 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 **A & I Coatings** recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including and delays.

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.

For additional information, phone our Customer Service Centre on **1800 819 585**

JUNE 2012 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.