



Manufacturers of UTHANE Polyurethane Coatings
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TECHNICAL DATA SHEET

BC300 TWO PACK ETCH PRIMER

DESCRIPTION: Two pack Etch Wash Primer for metal may be used as an intermediate coating for difficult to topcoat metals, e.g. aluminium, galvanised iron, tin, some iron alloys, etc. Also used as a conditioner over Zinc Rich paint, aiding the adhesion for top coating. Provides good anti-corrosive properties and is an excellent key coat to clean rust free metal surfaces.

AVAILABILITY/

COLOUR RANGE: Ex stock in semi translucent yellow colour only.

SUITABLE USES: As a primer on metal surfaces where adhesion is difficult, or better than normal adhesion is required.

DURABILITY: Good (must be overcoated.)

DRYING CYCLE:

Air Dry	Baked Drying
Dust Free - 4 -7 min	Time - 5 minutes
Tack Free - 4 - 7 min	Temperature -250 F
Print Free - 7-10 min	Source of Heat -Convection or I.R. Oven.

TOPCOATING

minium	-	30 minutes
maximum	-	8 hours
Hard Dry	-	30 minutes maximum

SURFACE The surface must be sound, suitably cleaned and degreased, free of rust, etc.

PREPARATION:

NOTE: Due to low film build of Etch Primers, solvent cleaning is preferred to mechanical or vigorous chemical cleaning.
Do NOT use Acid based cleaners unless thoroughly neutralised.

SUITABLE
SUBSTRATES: Metal surfaces such as steel, zinc anneal, aluminium, galvanised iron.

VISCOSITY : 20 - 25 sec. Ford Cup No 4 (ready to use).



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**APPLICATION
GUIDE:**

Method of application. Conventional spray.
Number of coats – One **THIN, WET, TRANSPARENT** coat.
Do **NOT** attempt to hide the surface with BC300 Etch Primer as this will result in a thick rubbery film with poor adhesion to the substrate and subsequent poor intercoat adhesion with topcoats
Application by brushing is intended for minor touch ups within the recommended dry cycle, or for isolated areas that are difficult to reach with a spray gun.
Clean up solvent - Methylated Spirit or Lacquer Thinners.

**RECOMMENDED
COVERAGE:**

8.5 - 12.5 sq. Metres per litre at 20 - 25 microns wet film.
This gives a dry film of approximately 5 microns
Special note re pot life of mixed material:
Use within 8 hours or poor adhesion may result.
The pot life is NOT extended by mixing with fresh materials.
Note: Coverage rates are approximate and would be affected by the method of application, shape or type of article, porosity and texture of surfaces , etc.

**MIXING
INSTRUCTIONS:**

Stir Part “A” to ensure thorough dispersion, then blend Part “A” and Part “B” in the ratio of 1 : 1 by volume.
A further amount of one volume of BC300 Etch Primer Thinner is also recommended.

**GENERAL
DIRECTIONS :**

- a) The top coating time of 8 hours maximum should be adhered to, otherwise poor intercoat adhesion may result.
- b) Avoid applying this material over moist or damp metal surfaces as poor adhesion will result.
Pre-warming before coating such surfaces will overcome this condition.
- c) Poor adhesion will also be experienced if the material is dry sprayed.
The applicator should ensure that only **WET** material contacts the surface to be coated.
At the same time, the application of heavy coatings is not desirable.
- d) BC300 is intended to be and functions extremely well as a primer.
However, a top coating system must be applied before exposure to adverse conditions, otherwise an early breakdown may occur.

**PHYSICAL
PROPERTIES:**

Gloss	-	Slight sheen
Hardness	-	Very Hard
Flexibility	-	Excellent
Resistance	-	Very good anti-corrosive properties

PACKAGED IN: 4 LITRE & 1 LITRE
Part A - Primer
Part B – Activator / Hardener
Part C – Thinner

This data sheet is based on information in BC Coatings possession at date of issue.
BC Coatings supplies its products only on condition that the consumer is satisfied as to the performance of the product in meeting his particular requirements.