

PRODUCT NAME**NT2000 Two Pack Etch Primer**

Issue date 24/02/2003
Formula number 3105
Product code PRIETCBY
Printed date Thu 20/03/08 at 12:27:25

PACKAGING

Available in 1 litre, 2½ & 5 litres.

PRODUCT FUNCTION

HMG NT2000 Two Pack Etch primer offers the ideal initial protective coating when painting metal, especially aluminium and alloys.

HMG NT2000 Two Pack Etch provides an excellent surface for further painting. Many industrial specifications and schedules incorporate Etch primers.

TECHNICAL INFORMATION

Solids	Approximately 15 to 20% dependent on colour
Flashpoint	Below 22°C
Specific Gravity	0.83 approximately
Viscosity	18 seconds B4 Ford Cup mixed
Temp Resistance	200°C
Storage	12 months in original sealed containers
Flash off period	5 minutes
Pot life	8 hours at 20°C

APPLICATION AND USAGE DATA

Touch dry	15 minutes
Hard dry	1 hour
2pk mixing ratio	1:1 with HMG Etch Primer Activator
Thinners	THINNER 2691
Overcoating	1 hour minimum
Film thickness	7 - 12 microns dry film thickness
Coverage	20 square metres per litre (theoretical)
VOC	734g/l

COLOUR RANGE

Pale translucent yellow.

SPECIAL PROPERTIES

- Used as primer directly onto difficult substrates such as Aluminium and alloys to promote adhesion of subsequent coats.
- Substrates containing Zinc need treatment with HMG Mordant T wash prior to the application of subsequent coatings.

PREPARATION

All surfaces that are to be painted should be thoroughly cleaned to remove any contamination such as rust, millscale and dirt. All surfaces must be thoroughly abraded or preferably shot blasted. Degreasing should be done using a suitable solvent such as HMG L.T. Degreaser.

Old work should be completely stripped and the surfaces neutralised by wiping down with Etch Primer Thinners before commencing to prime.

HMG NT2000 Two Pack Etch primer is only effective when applied directly to metal surfaces.

As with all paint systems, the etch primer should be checked for suitability and performance prior to use on any substrate.

HOW TO USE

- | | | | |
|--|----------------------------------|--|--|
| <input checked="" type="checkbox"/> Airless | <input type="checkbox"/> Brush | <input type="checkbox"/> Electrostatic | <input checked="" type="checkbox"/> HVLP |
| <input checked="" type="checkbox"/> Conventional spray | <input type="checkbox"/> Dipping | <input type="checkbox"/> Roller | <input checked="" type="checkbox"/> See application data |

APPLICATION

HMG NT2000 Two Pack Etch Primer can be applied by conventional, HVLP or airless spray.

The Base and Activator must be mixed in equal proportions, the Activator being poured into the Base whilst stirring. Stirring must be continued until the mixture is homogenous.

Technical Data Sheets are also available on our website at www.hmgpaint.com

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HMG PAINTS LTD
Collyhurst Road
Manchester, M40 7RU
Tel: 0161 205 7631 - Fax: 0161 205 8823
www.hmgpaint.com
sales@hmgpaint.com

The recommended thinner (HMG THINNER 2691) should then be added until the primer has a "wash" consistency. Checked in a Flow Cup, the thinned primer should have a viscosity of approximately 18 - 22 seconds (BS B4 Flow Cup). Spray pressure 45 - 60 lbs sq. in (3 - 4 BAR).

It is detrimental to apply thick films of HMG NT2000 Two Pack Etch Primer, and in fact the dry film thickness of applied coats should be no more than 7.5 to 12.5 microns. Applied films should be thin enough so that the under surface "grins" through the film.

With HMG NT2000 Two Pack Etch Primer, the "pot life" is of the order of eight hours at ambient temperatures. Hence it is recommended that only sufficient primer to be mixed for the job in hand. The pot life is shortened at higher temperatures. If the primer is too thick, cobwebbing may occur and further Etch primer thinners should be added until the problem is rectified. Higher ambient temperatures (such as hot summer conditions) can also cause cobwebbing, (candy - flossing) and Etch Primer Retarded Thinners are recommended to effect a cure.

HMG THINNER 2691 are recommended for cleaning, which should be carried out immediately on all spray guns, or other equipment. Failure to do this makes removal of primer residues very difficult.

HEALTH AND SAFETY

- Refer to health and safety data sheet and tin label prior to use.
- The product contains zinc chromate and can cause cancer as a result of ingestion or inhalation.

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