



DELTRON[®]



Product Information

DP612

DP612 EtchPRIME

Product Description

DP612 EtchPRIME is a beige two-component pigmented etch primer.

EtchPRIME is chromate-free and is mixed with its own activator, DH713 Etch Catalyst.

EtchPRIME is universal in application and promotes adhesion over a wide range of substrates, but it should not be used as an isolator itself or over an isolator.

EtchPRIME may be used in a wet-on-wet system if required and may be overcoated with most types of Deltron 2K Primers.

EtchPRIME is particularly recommended for use on bare metal substrates including, aluminium, galvanised steel.

This product must ONLY be catalysed with its own activator, DH713 Etch Catalyst.

PREPARATION OF SUBSTRATE

Substrate



Bare steel
Galvanised steel
Zintec
Aluminium & alloys
Electropaint
Aged painted surfaces
GRP , Fiber-Glass
Polyester filler

Preparation

P80 – 120 (dry)
Red Mirlon Scoring pad / P400 (dry)
Red Mirlon Scoring pad
P180-240(dry)
P320-400 (dry)/P600-P800 (wet)
P320 - 400 (dry)/P600 (wet)
P240-320 (dry)
P120-P180 (dry)

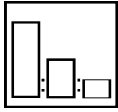


Cleaning

Before and after any sanding operation, the substrate must be thoroughly degreased using D845 or D837. Aluminium should be cleaned using SWX250 Water-Methylated Spirits Cleaner prior to coating.

Application Guide

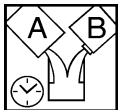
Mixing Ratio



DP612	1 vol
DH713	1 vol

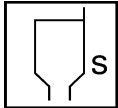
- RFU mixing available on Paint Manager

Potlife



24 hours at 20°C
Performance of EtchPRIME will reduce 24 hours after it has been mixed

Spray Viscosity



16 secs DIN4 at 20°C

Spraygun Setup



1.3 – 1.5 mm

Spray Pressure

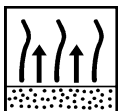
2-3 bar / 30-45 PSI

Number of Coats



2 coats minimum
3 coats maximum

Flash Off at 20°C



<i>Between coats</i>	5 minutes
<i>Before Primer</i>	15 minutes

Application Guide

Drying Times



Dust-free

5 minutes

Dry to sand (20°C)

20–30 minutes

Technical Data

Total Dry Film Build

Minimum

15 µm

Maximum

25 µm

Theoretical Coverage*

Over 8 m²/L

* Theoretical coverage in m²/L ready-to-spray, giving 20 µm dry film thickness.

Flash Points

DP612; DH713; SU406; SWX250

See PPG SDS

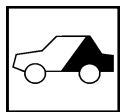
Sanding



Grade dry

P500

Overcoat/Recoat Time



20–30 minutes minimum

Overcoat within 2 hours.

Overcoat with

Any PPG 2K primer with the exception of PrimaGUARD.
DO NOT overcoat with PrimaGUARD.

Performance Guidelines

The performance of DP612 EtchPRIME will progressively reduce after it has been mixed for 24 hours.

To ensure optimum adhesion, avoid the use of light dust coats.

Do not apply Polyester body filler over EtchPRIME primer. These products are incompatible and severe blistering and loss of paint adhesion may occur.

Low builds; excessive thicknesses or an inaccurate mixing ratio will reduce performance of the product.

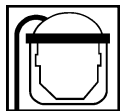
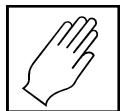
EtchPRIME is an adhesion promoter; do not use as an isolator.

Although Deltron topcoats, under some circumstances, may be applied directly over EtchPRIME, this system is not covered by PPG's Lifetime Warranty. It is recommended that EtchPRIME is sealed before topcoating with a 2K acrylic urethane primer or sealer such as DP602 PrimaPRIME or DP620 PrimeSEAL.

NOTE: Envirobase High Performance should not be used directly over DP612 EtchPRIME.

EQUIPMENT CLEANING

After use, clean all equipment thoroughly with cleaning solvent or thinner.



Health and Safety

Please refer to Safety Data Sheets for full Health and Safety details.

- Goggles must be worn when mixing and using to prevent accidental splashing into the eye. If contact occurs with eyes give prolonged irrigation with water and get medical attention immediately.
- Good ventilation and extraction must be provided in the working environment.
- Wear suitable protective equipment to prevent skin contact with this material.
- When spraying this product the operator (and persons in vicinity) must wear suitable air-fed breathing apparatus.
- Do not smoke whilst using this material.

This product is for professional use only.

The information given in this sheet is for guidance only. Any person using the product without first making further inquiries as to the suitability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Drying times quoted are average times at 20°C/68°F. Film thickness, humidity and shop temperature can all affect drying times.



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