



What are Etch Primers? Advantages & When Should they not be used?

Etch Primers is a single pack metal primer designed for this purpose. Prepared with a combination of resins for maximum adhesion to various metals, the surface on which they can be used. These are Etch Primers for digging and repairing low levels of phosphoric acid, sticking to metal surfaces. Coatings also contain zinc phosphate anti-corrosion. Pigments for steel surfaces. One important thing to note is that they are made with a low noise density to hold the product (10 - 15 hours).

Etch Primers

Etch Primers is a paint designed to physically adhere to the substrate to which it is applied. This is achieved by mixing the acid in the paint so that the acid can scratch the surface of the layer, thus creating both physical and chemical bonds.

In most cases, H will be added to the primer to make the color visible.

[Etch primers](#) are often designed to work with ferrous or non-ferrous metals or in some cases both.

It is also advisable to use Etch Primers on fiberglass and resin molding. Made with a fiberglass gel coat which is strong and durable without the need for paint. Resin kits are made using the same chemical process as two-part epoxy resins.

This can lead to molding of complex parts, but it can leave a surface that is 'slippery' and does not accept paint. It is also possible to move the remains. Molding and / or leach paint in molding.

When Should they be used?

Etch Primers is a new or relatively primer for use as sound ferrous and non-ferrous metal surfaces. Examples of surfaces on which these products will be used are lightweight tubes or thin sheet metal surfaces that cannot be formed by abrasive blast cleaning. In such cases, the combination primer usually has hand / power tool friction and the acid provides sufficient adhesion to allow the use of a thin-film two-pack full rusty surface or one that can be prepared in a tolerant or conventional manner for abrasive blast cleaning surfaces. Two-pack epoxy

primer. Will provide better service, as these products offer longer corrosion protection than Etch Primers.

Advantages of Etch Primers

This type of product has advantages over other metal Etch Primers:

As follows:

- Provides excellent adhesion to various metals.
- Can be applied with minimal preparation (clean, degreasing and abrasive, see datasheet) .
- Quick treatment allows significant overcoating with a thin-film topcoat less than 1 hour.
- Zinc phosphate pigmentation Provides. Prevention and protection.

Applying Etch Primers

- Most of the problems faced by both modelers and model engineers with [Etch primers](#) are due to improper cleaning of the product and / or application. To ensure that the primer adheres well to the substrate, the following steps must be taken.
- Wear rubber gloves first to ensure that fingerprints do not return to a clean surface.
- Reduce the surface with the strongest solvent available. In most cases, it will be a PQ17 pre-painted metal cleaner for all metal surfaces and a PQ19 pre-painted multi-surface cleaner for fiberglass and resin molding.
- Apply the cleaner on a clean lint-free rag (old cotton shirt, T-shirt, etc.), wipe the surface and leave to dry.
- This should be done at least twice to make sure the surface is clean and free of grease and dirt.
- Alternatives to white spirit and turpentine should not be used as they are not strong enough at first and secondly they leave a residue on the surface.
- All types of household, kitchen, bathroom and toilet cleaners should also be avoided as they all contain chemicals. While clean surfaces are designed to be shiny and shiny, while suitable for your home surface or for crockery, chemistry can affect Etch's performance. Etch Primers for sticking to the substrate.

Precautions

This precaution is typical for all single-packs of Etch Primers:

- The product is for use in thin-film systems (total 50 - 100 m film thickness) and therefore cannot be expected to provide a level Rust protection can be achieved with a protective coating. System.
- Dissolution of the coating higher than the recommended film (usually about 10 m risk).
- Relatively small and restrictive remote windows can cause problems for large jobs.
- Brush and roller applications are only suitable for small parts; Primerspray to form a thin and uniform film.

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Zigma Paints (P) Ltd. We have been involved in manufacturing and offering high quality products of etch priming paints for many years.

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