

# STEEL RENOVATION PAINT

## Epoxy Mastic 121

**Epoxy Mastic** is a high build, high solids two pack (has a base and hardener) Epoxy paint coating for the renovation and protection of rusting and pitted steel exposed to severe environments. Epoxy Mastic can be applied successfully over wire brush cleaned steel and still offers the same exceptional performance as coatings applied over blast cleaned steel.

**Epoxy Mastic** will not flake, peel or blister – even under water. Resists oils, salt water and mechanical damage. Tough penetrating coating that is more flexible than the steel itself.

Has six times the penetration and adhesion of single pack products.

Does not contain any harmful isocyanates.

### So how does it work?

Epoxy Mastic is a two component Epoxy paint composed of very short chain molecules with very low surface tension. This allows the paint to flow into all of the pits and troughs on the steel's surface, ensuring a tough penetrating primary bond. This is the best kind of bond you can get with a paint finish. Excellent penetration and adhesion equals exceptional mechanical strength.

### Why can't other paints do this?

Single pack paints (paint without hardener) used to protect steel against rust are the most common products. These products have long chain molecules and as such tend to lay over the pits and troughs on the steel's surface because of their high surface tension. This allows voids to form beneath the paint's surface, rust pockets form in the voids, the paint blisters and moves onto the next void and so on. The system flakes, peels and blisters. This scenario cannot happen with Epoxy Mastic using a primary bond. They also tend to have less solid content. This means that the steel's profile is soon exposed to the atmosphere and once again rust forms in the void and the system breaks down. Epoxy-Mastic's high solids content of 83% means that the finished dry film thickness is on average 30% thicker than the best single pack paints available.

### What is the finish like?

Epoxy Mastic can be brush or spray applied like any other paint. It is supplied with Epoxy thinners to reduce viscosity when painting smaller components. It can be painted over or left alone. It really is the complete answer, a high performance paint finish that has no equal.



**Starter Pack** (5m<sup>2</sup>) 1 Ltr...£24.95

**Chassis Pack** (10m<sup>2</sup>) 2 Ltr...£45.00

*All prices are exclusive of VAT.*

# Technical Data

## Rustbuster Epoxy Mastic 121

### Product Description:

Epoxy Mastic 121 is a two-pack surface tolerant high solids epoxy mastic coating.

Epoxy Mastic 121 is designed to be applied by brush or roller or spray .

### Recommended Use:

Anti-corrosive coating for steel. Epoxy Mastic 121 can be applied on substrates with lower quality surface preparation. On a poor rust pitted surface it is recommended to use a brush for the first coat.

### Comments:

Approximate spreading rate per coat: 8-10m<sup>2</sup>/l

Approximate spreading rate for total system: 5m<sup>2</sup>/l

### Physical Properties:

Colours.....	Aluminium, Black, Buff, Green, Grey, Red
Gloss.....	Semi-gloss
Gloss retention .....	Fair
Water resistance .....	Very good
Abrasion resistance .....	Very good
Solvent resistance.....	Good
Chemical resistance.....	Good
Flexibility .....	Good

### Preparation:

Power tool cleaning to min. St 2, mill scale free (ISO 8501-1:1988). Improved surface treatment (blast cleaning to Sa 2<sup>1/2</sup>) will improve the performance.

### Application Methods:

Spray – Airless spray can be used.

Brush – Use a round brush. Care must be taken to achieve the spreading rate.

Roller – Use of a foam roller will provide the best finish results.

### Application Data:

Mixing ratio (volume) 1 part by volume Comp. A (Base) to be mixed thoroughly with 1 part by volume Comp. B (Curing agent).

### Mixing:

Pot life (23°C). Mix well and allow to stand (10 min. including mixing).

Mix only enough paint to last 1<sup>1/2</sup> hours.

Thinner/Cleaner No. 17.

*For a full technical data sheet contact Rustbuster Ltd or download the TDS in PDF formant from [www.rust.co.uk](http://www.rust.co.uk)*