



SDE EPOXY ANTI-CORROSIVE PRIMER

PRODUCT DESCRIPTION

SDE EPOXY ANTI – CORROSIVE PRIMER - is an Anti-corrosive two-component primer with excellent adhesion on various surfaces. High filling, quick building and easy to sand.

INFORMATION ON BASIC PHYSICAL PROPERTIES

| | |
|----------------------------|--|
| Type: | Chemical Drying |
| Base : | Epoxy Resin with Zinc Phosphate |
| Field of Application: | GPR - Steel - Plywood - Aluminium: Bonding and filling primer for interior and exterior use above and below the waterline. Also for maintenance of existing epoxy systems. |
| Colour: | White – Grey |
| Gloss: | Matt |
| Density: | 1.62 /dm ³ (mixed product) |
| Viscosity: | 100 seconds DIN-cup 4 mm |
| Solids Content: | 50± 2 vol.% (mixed product) |
| VOC – Level Mixed Product: | 417 gram / litre (mixed product) |

MIXING RATIO:

| | By volume | By weight |
|--------------------|-----------|-----------|
| Base component A | 100 | 100 |
| Curing component B | 25 | 14 |

Induction time at 20 ° C / 65% RLV 10- 20 Minutes

POT LIFE AFTER MIXING

| at 12°C | at 20°C | at 28°C |
|----------|---------|---------|
| 12 hours | 8 hours | 4 hours |

STORAGE UNMIXED:

Shelf life In Closed container stored in a dark location between 5 – 25 °C Approx 2 Years

CONDITIONS DURING APPLICATION AND DRYING:

Temperature minimal Minimal 12 °C Maximum 28 °C.
Relative air humidity Minimal 50% - Maximum 75%

Temperature of substrate must be 3°C above dew point

THINNER BRUSH/ROLLER/SPRAY:

Recommended to use SDE Thinners

THINNER GUIDELINE:

Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area. For surface penetration on bare wood and steel, thin first coat approx. 25%.

APPLICATION TOOLS:

Nylon roller - Soft, long haired brush - conventional and airless air spray.

RECOMMENDED FILM THICKNESS / COAT:

80 - 200 µm wet film thickness = 40 - 100 µm dry film thickness.

APPLICATION RECOMMENDATIONS:

Do not apply wet-in-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Avoid applying in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability

THEORETICAL COVERAGE:

8 m² per litre. @ 50 µm dry film thickness

PRACTICAL COVERAGE:

Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

APPLICATION DETAILS:

| | AIR SPRAY | AIRLESS SPRAY | BRUSH / ROLLER |
|-------------------------|--------------|-----------------|----------------|
| Thinning Volume | 10 – 20 % | 0 – 5% | 0 – 5% |
| Nozzle | 1.5 – 1.8 mm | 0.015 – 0.020 * | |
| Pressure | 3 – 4 | 150 – 180 bar | |
| Viscosity DIN – cup 4mm | 20 – 25 sec. | 30 – 35 sec | |

Drying times @ 50µm dry film thickness

| | Dust Dry | Recoatable | Through Hardened |
|------------------|----------|------------|------------------|
| 15 ° C / 65% RAH | 3 Hours | 16 Hours | 7 Days |
| 20 ° C / 65% RAH | 2 Hours | 12 Hours | 5 Days |
| 28 ° C / 65% RAH | 1 Hour | 10 Hours | 4 Days |

INTERCOAT SANDING:

If Subsequent coat is applied within 5 days (18°C). Intercoat sanding is not necessary.
If recoated after 5 days, sand with P120 dry abrasive paper.

ONE COMPONENT RECOATABILITY:

After 24 Hours and sanding with P 220 – 240 Dry abrasive paper.

ABOVE THE WATERLINE:

BELOW THE WATERLINE:

FILLER:

?????? REMOVE

SUBSTRATE CONDITIONS:

Clean, dry degreased and sanded.

For optimum adhesion thin first coat on bare plywood and metal by 20 – 25 % and apply by stiff brush.

PACKING:

3kg units

NOTES:

The information given in this leaflet is based upon laboratory research, as well as extensive field work and application experience. All products are subject to standard conditions of sale which are available upon request. This information is based on **Safety Direct Egypt's** present state of knowledge and is intended to provide general information on **Safety Direct Egypt's** products and their methods of use.

Date of Issue: October 2019

The information given in this data sheet represents test results & practical experience obtained under controlled conditions, and are correct to the best of our knowledge. However, as products are often used under different conditions, we can only guarantee the quality of our product, and reserve the right to change data without further notice.

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