



## Fast Set Universal Primer

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### Product Description

ShieldPrime (SP) is 100% Solids moderately fast setting, high adhesion, intercoat primer system designed to improve adhesion between a large variety of coatings, metallic, rubber, PVC and many other substrates including concrete.

It acts as a barrier coat on various substrates and improves adhesion to difficult substrates such as non-ferrous metals.

It can be applied over correctly prepared bare steel surfaces, fiberglass, zinc coated steel, aluminium, polyester fillers, and baked acrylic enamel.

### Properties

<b>Volume Solids</b>	100%
<b>Mixing Ratio</b>	1:1 by weight / volume
<b>Pot Life</b>	8-12 minutes @ 25°C
<b>Setting Time</b>	15-20 minutes Thin film set time is approximately 45 minutes 60 minutes
<b>Wet on Wet Application</b>	Sand thoroughly if recoat interval exceeds 6 Hours
<b>Recoat Interval</b>	Can be recoated / top-coated with most coatings after 60 minutes drying at 27°C and Relative Humidity below 50% as wet on wet application
<b>Mixed Viscosity</b>	Approximately 12,000 cps
<b>Adhesive Shear Strength</b>	125 kg/ sq. cm.
<b>Service Temperature (Max)</b>	110 °C
<b>Colors</b>	Hazy to Clear
<b>Packaging</b>	Available in 40 kg drum set and 200 kg drums set
<b>Coverage</b>	8-10 m2 per kg. mix approximately per coat @ 100 microns

### Application Guidelines

- All surfaces should be sound, clean, dry, and free from oil or grease.
- Remove loose material and flaking paint.
- Brush and wash off soft or powdery surfaces.
- Remove rust and corrosion from metals.
- Abrade smooth metal, plastics, and fiberglass surfaces.
- Allow 28 days for new concrete to cure before applying primer
- Stir Part A and Part B separately for 1-2 minutes before use.
- Mix the Part B into Part A and stir for 1-2 minutes to a uniform homogenous consistency.
- Apply mixed Primer straight from the can by brush or spray. One coat application will normally suffice, but some highly porous / undulated substrates may require two coats.

### Health and Safety Precautions

- ✓ Please refer to MSDS.
- ✓ Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking.
- ✓ It is recommended to wear gloves, goggles, and nose masks while applying.
- ✓ In case of splashes on the skin, dampen the cloth with thinner wipe the hands with the cloth. Wash then with soap and water.
- ✓ Dried film is nontoxic.
- ✓ In case of contact with eyes, rinse with plenty of water and seek medical advice.
- ✓ In case of continuous exposure to vapor, the applicator should be immediately moved to get fresh air.
- ✓ The disposal of excess or waste material should be carried out in accordance with the local legislations.

### DISCLAIMER

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials and equipment used, as well as varying working conditions and environments beyond our control we strictly recommend carrying out intensive trials to test the suitability of our products regarding the required processes and applications. This data sheet is provided free of charge, and we do not accept any liability regarding the above information or regarding any verbal recommendation, except for cases where we are liable of gross negligence or false intention.