

Thorprime™ STS

Polyurethane resin priming system

Thorprime STS is a single component, moisture-cured primer.

Summary

Thorprime STS is used for priming steel surfaces. It must be mixed thoroughly using a mechanical agitator before use. Agitate periodically to ensure the material remains homogeneous.

Areas of use:

- Linkspans
- Bridges
- Other steel substrates

Benefits

- Can be applied in cold and damp conditions at humidity up to 95%
- Fast curing at low temperatures
- Can be used on steel where cold and damp conditions are likely

Surface Preparation

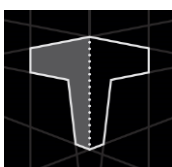
For best results, steel should be return bead blasted to SA2 ½ with a surface profile of 50-75 microns.

All surfaces being coated should be dry and cleaned as necessary; remove weld spatter and grind smooth all sharp edges and weld seams.

When recoating aged coated substrates, damaged areas must be removed back to a firm edge. Ensure compatibility with the existing coatings by applying a test area. It may be necessary for adhesion to lightly abrade the existing coating to provide a key.

Coverage

Approx. Coverage	10m ² /Ltr
WFT	100 microns
DFT	55 microns



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Application:

Only apply in areas with good ventilation, this must be maintained during the drying and curing process.

Do not apply when rain, mist, sleet or snow are imminent.

During the application and drying time of the material, the surface should be dry, the relative humidity should ideally not exceed 90% and the steel temperature should remain at least 2% above the dew point.

Only apply this product when the above conditions can be maintained throughout the critical application, drying and curing process.

The material temperature should be a minimum of 15°C

Designed for application using brush or roller

A dry film thickness of 55 microns per coat is advised.

Cure Time:

Overcoat time: Min 1 hour @ +23°C
Overcoat time: Max 2 days @ +23°C

Overcoat time: Min 2 hours @ +10°C
Overcoat time: Max 2 days @ +10°C

Overcoat time: Min 4 hours @ +5°C
Overcoat time: Max 2 days @ +5°C

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Packaging / Cleaning / Storage

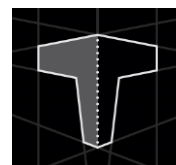
Packaging 5Ltr tin

Shelf Life 6 month unopened

Storage: Store in dry, cool conditions and protect from frost.

Flashpoint 23 – 60 °C

Safesolve should be used for cleaning tools, etc.



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Health & Safety

Gloves, overalls and barrier cream should be used when working with Thorprime STS. For full details, please refer to the appropriate Health and Safety Data Sheet

It is the customer's responsibility to ensure that this product is suitable for purpose. Results are not guaranteed as application conditions are beyond our control. Every care has however been taken in the compilation of this information.

