

## PES-CHEM 508 UVPU

**PES-CHEM 508 UVPU** is a two pack solvent based polyurethane UV stable coating. The product once cured offers a tough UV resistant finish with excellent durability and light fastness. The product is normally used as a light stable finishing layer to surfaces previously coated with Pes-chem 501 CRSG or 506 Aluprime.

### Typical applications

Clear or pigmented finishing coat for multi coat systems on structural steel .

### Surface Preparation

Metallic Substrates coated with Pes-chem 501 CRSG or 506 Aluprime

The product can be applied to the surface of either product once they have reached their over coating window. Please be aware for strong colours two coats maybe required.

#### Previously coated surfaces

The steel surface must be degreased and cleaned using MEK and all loose material and surface contaminants removed. Where spot corrosion has occurred the area can be coated by roughening the surface using MBX, needle gun, grinder or wire brush and then over coated with the Pes-chem 508 UVPU.

### Mixing and Application

Transfer the contents of the Activator unit into the Base container and mix thoroughly until a uniform material free of any streaks is achieved. From the commencement of mixing the whole of the material should be used within 30 minutes at 68°F (20°C).

#### Brush or Roller

Apply the mixed material onto the prepared surface by brush or roller. This should be in two coats at a target wet film thickness of 6 mils (150 microns) per coat using a practical coverage rate of 59 sq. ft. (5.5 sq. metres) per litre per coat. Apply the second coat as soon as possible after the first coat is dry and not in excess of 36 hours. Where the maximum over-coating interval is exceeded, the first coat should be sweep blasted and cleaned prior to over-coating.

#### Spray Application

Where spray application is required, this should be carried out by airless spray using an input pressure of 60psi and a tip size of .015”-.018” (0.23mm – 0.43mm).

### Cure Times

At 68°F (20°C) the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable life	30 minutes
Minimum over coating time	1.5 hours
Movement without load	8 hours
Maximum over coating time	36 hours
Full loading	7 days

### Storage Life

5 years if unopened and stored in normal dry conditions 59-86°F (15-30°C)

# Technical Data Sheet



## Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read and fully understood the detailed Material Safety Data Sheet.

## Legal Notice

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Polymeric Engineered Solutions accepts no liability arising out of the use of this information or the product described herein.