REPCO SOLUTIONS

TECHNICAL DATA SHEET:
REPRIME 5506 APZ

PRODUCT DESCRIPTION

REPRIME 5506 APZ is a solvent based epoxy coating designed for the long term protection of steel and concrete structures against corrosion.

TYPICAL APPLICATIONS

Suitable for coating surfaces suffering from corrosion and surfaces suffering from condensation down to 5^0C. Can also be applied to Blast cleaned surfaces as well as Hydro Basted and Mechanically prepared. Applications include

- Chilled water lines
- Pipework
- External of Steel Tank Surfaces
- Structural Steel
- Offshore Platforms
- Process Equipment
- Sheet/Bearing Piles

SURFACE PREPARATION

GENERAL

Correct surface preparation is essential for the success of any application. All oil and grease must be removed from the surface of the repair using an appropriate cleaner such as MEK.

STEEL SUBSTRATE

Abrasive Blasting

For optimum performance, all steel substrates should be abrasive blasted to ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2) and a minimum blast profile of 75 microns using an angular abrasive. Remove all residual blast debris and the surfaces inspected. Profile checks should be taken and recorded. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material. All surfaces must be repaired before rusting or oxidation occurs.

Hydro Blasting

If hydro blasting is the preferred method of preparation use clean water at 12,00 psi (850 bar) to NACE 5 SSPC SP13 WJ3-WJ1

PLEASE NOTE: For salt contaminated surfaces the area must be abrasive blast cleaned as mentioned above and left for 24 hours to allow any ingrained salts to come to the surface. After this 24 hour period the surface must be washed with MEK prior to brush blasting to remove the surface salts.

MIXING AND APPLICATION

PRECAUTIONS

Warm the Base component to 15-25°C (60-77F°) before mixing and do not apply when the ambient or substrate temperature is below 5°C (40F°) or less than 3°C (37°F) above the dew point

MIXING

Where possible full units should be mixed.

When mixing the whole unit, pour the contents of the Activator unit into the Base container ensuring that as much material is drained from the Activator container as possible. Mix the two components together until they are streak-free using an electrical paddle mixer.

From the commencement of mixing the material should be used within 2 hours minutes at 20°C (68F°).

As soon as possible after application of the first layer, and after no longer than 6 hours, apply a further coat as above. If the maximum over-coating time is exceeded, the first layer should be brush blasted or abraded before applying the second coat.

For part mixing use a mixing ratio of 8:1 by weight or 3:1 by volume.

APPLICATION

Once mixed transfer the product into a paint tray or kettle. (This will maximise the usable life).

Using a suitable synthetic brush, stripe coat all welds, edges, joints and corners at a wet film thickness of 150 microns (6 mil). Ensure the stripe coat is approximately 4" wide.

Once the stripe coat is touch dry apply 1st coat of mixed product to all surfaces at 150 microns (6 mil) Wet film thickness. If required and once the 1st coat has become touch dry, apply a 2nd coat of material to all surfaces at 150 microns wet film thickness.

Coverage Rates
Fully mixed product in the unit sizes mentioned will give the following coverage rates –

5 ltrs (1.3 US gal) 33m² at 150 microns	355ft² at 6mil
20 Ltrs (5.3 US gal) 133m² at 150 microns	140ft² at 6mil

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being coated.

TECHNICAL DATA SHEET:
REPRIME 55026 APZ

CURE TIMES

At 20°C (68F°) 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	2 hours
Minimum over coating time	6 hours
Maximum over coating time	36 hours

UNIT SIZES

Product is available in the following pack sizes –

5 Litres (1.3 US Gallon)
20 Litres (5.3 US Gallon)

OVERCOATING TIMES

Minimum – further material can be applied as soon as the first layer is touch dry. Approximately 6 hours at 20^0C
Maximum – regardless of temperature the over-coating time should not exceed 36 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination, and to expose a frosted appearance.

COLOUR

Base Component	- Dark Grey
Activator Component	- Amber

STORAGE LIFE

The shelf life of the product is typically 5 years if unopened and stored in cool dry conditions (15-30°C/ 60-86F°). Once opened replace the lid firmly and store as above.

TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

Repco products are manufactured for:
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