PS-E009
COATING METALS WITH EPOTEC EPOXY PAINT

INTRODUCTION:
EPOTEC NT Epoxy is a functional epoxy coating very suitable for protecting metals from chemicals or aggressive environments. Like all specifications for metals it is important to have a primer which has either anticorrosive or sacrificial anodic protection.

PROCEDURE:
STEEL:

(a) Heavy gauged structural components:
1 Grit blast to SA 2.5.
2 Zinc rich inorganic/organic primer.
3 Two coats of EPOTEC High Build Epoxy.

(b) Light gauged steel sheet:
1 Remove all rust by abrading or light blasting. Any remaining light rusting can be treated with a suitable rust killing solution (phosphoric or Tannic acid type) by rag or brush. Steel wool can be used to scour the surface rust.

For use in more corrosive environment:

2 Zinc rich inorganic/organic primer.
3 Two coats of EPOTEC High Build Epoxy.

For use in less corrosive (not marine or chemical) environments:

2 Apply a coat of TUFF COTE DTM (anti corrosive) PRIMER.
3 Apply 2 coats of Epotec High Build Epoxy.

GALVANISED IRON (HOT DIPPED OR SPANGLE):

1 Apply solution zinc phosphate to surface. Preparation instructions need to be followed, or wash with a Phosphoric based metal treatment solution such as RUSTKILL.

2 Apply a coat of EPS-10 ETCH PRIMER, or TUFF COTE DTM PRIMER. Brush or spray applied.

3 Two coats of EPOTEC NT Epoxy. Brush applied.

PTO

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ALUMINIUM:

1 Degrease surface with suitable solvent cleaner. E.g. Isopropyl alcohol. Sand fully with a fine grit paper. For best adhesion aluminium should be cleaned with a proprietary preparation system such as (Ridolean 1509 ALX) followed by a conversion coating (Alodine 1000L).

2 EPS-10 ETCH PRIMER. Brush or spray applied or TUFF COTE DTM PRIMER brush or spray applied.

3 Two coats of EPOTEC NT Epoxy. Brush applied.

For specific recommendations of products refer to Coating Technologies Limited's technical department.

APPLICATION OF EPOTEC NT EPOXY (GENERAL):

MIX CAREFULLY the Epotec NT Epoxy pack. Using a flat stick mix well – taking particular care to mix in the sides and bottom. Do not induce air bubbles into mix. It is preferable to use a ribbon mix blade on a power drill at slow speed. A good idea when a large number of units requires mixing is to write with a marker pen the time when mixed so they are used in sequence.

POT LIFE:

This is the approximate time you have before the mixed material becomes unworkable. This time will vary depending on the colour, ambient temperature and the relative humidity on the day. Approximate times are:

20^{o}C	Ambient	1.5 hours (aim to have applied the product in 1 hour)

HEALTH AND SAFTEY:

Read the Material Safety Data Sheet (MSDS) and information booklet. Keep away from heat and open flames, keep can closed when not in use. Avoid breathing vapour, use with adequate ventilation. Avoid contact with skin and eyes. If skin contact occurs use warm soapy water to remove. Do NOT use thinner to clean the skin.

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