

PROTEXZ ZINCURE

Protective rust-inhibiting primer for steel

October 2023

PURPOSE AND AREAS OF USE:

A protective rust-inhibiting primer for all steel work. Preferably applied to blast-cleaned steel for maximum performance. Can be welded through if required.

PRODUCT:

Single-pack ready-for-use coating comprising zinc dust in curing urethane binder. Over 95% zinc in dry film.

PROCESS COMPATIBILITY:

Can be overcoated with products based on one or two-component urethanes, two-component epoxies, chlorinated rubber, and alkyd resins, and acrylic products. If primer film has aged, check for satisfactory adhesion before commencing general work.

COLOUR:

Zinc Grey - matt when dry.

STANDARD PACK:

250ml, 500ml, 1 litre, 4 litre metal cans.

PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	52
Specific Gravity	2.9
Flash Point (°C)	46
Shelf Life	At least 12 months in original sealed container stored in cool, dry conditions.

SURFACE PREPARATION:

Steel should be thoroughly degreased, followed by blast cleaning to Swedish Standard Sa2.5 (SSPC.SP10). It is important that the surface profile should be in range of 65-70 microns and should not exceed 100 microns, and that steel should be cleaned free of dust and residues and coated within four hours of blasting. Surface should be dry at time of application, but this primer will tolerate slight residual dampness if normal dew-point conditions are not met, i.e. steel temperature is lower than air temperature at time of application. Satisfactory performance may be achieved on surfaces prepared to a lesser standard but this cannot be guaranteed.

In cases of less extreme exposure and/or non-immersion, good performance may be achieved on surfaces prepared to Swedish Standard St.3 (SSPC-SP3). For further guidance call an Equus Representative.

APPLICATION METHOD:

Brush	For small areas only and patch priming. Use direct from can.
Roller	Not recommended.
Conventional spray	Thin if needed with 10% Xylene (Xylol 5°). Use 1.8mm nozzle at atomising pressure and 0.7-1.0 kg/cm ² fluid pressure.
Airless spray	Apply as supplied. use 0.45-0.50mm nozzle with 65° fan angle. Normal operating pressure 140-175 kg/cm ² .

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APPLICATION PROPERTIES:

Spreading rate:

Theoretical	10 sqm/litre
Practical	8-9 sqm/litre (depending on application method)

Recommended film thickness:

Wet	95 microns
Dry	50 microns

Dry times:

Sand dry	15-30 minutes
Touch dry	1-1.5 hours

Thinning/Clean up: Xylene (Xylol 5°C)

Note: This product cures on exposure to atmospheric moisture. Once a new container has been opened its contents must be used within 48 hours and the container must be sealed tightly when not in use during this time. Use within two years of manufacture date is recommended.

SPECIFICATION NOTES:

1. Spreading rates: These figures are approximate and relate to material applied at the stated dry film thickness under normal working conditions. Application technique, wastage and surface condition must be allowed for when estimating quantities.
2. Dry times: These relate to normal temperature (20-23°C) and humidity (50-60% RH) conditions. If these vary, allowance must be made appropriately. Since through-cure is achieved through exposure to atmospheric moisture, low humidity conditions may prolong this stage.
3. Flash point: The material is classified in Class 3b of the Dangerous Goods Act 1974 and appropriate transport and storage regulations apply.

HEALTH AND SAFETY:

Wear barrier cream when handling these products and mask/goggles during application. **Do not smoke** during handling or application. Keep containers tightly sealed at all times when not in use. For further information refer to Equus SDS 901.

TRANSPORT AND STORAGE:

Protexx Zincure is classified UN1263 Class 3 Hazardous Goods. Correct transport and storage protocols must be followed.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
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