

PROTEXX MIOXX BODYCOAT

High-build bodycoat

February 2024

PURPOSE AND AREAS OF USE:

A high-build bodycoat for use in long-life metal-protective coating systems in aggressive polluted environments, particularly coastal and industrial situations. Not normally used for immersion service.

PRODUCT:

A single component high-build polyurethane coating containing micaceous iron oxide for maximum protection and service life.

PROCESS COMPATIBILITY:

With primer: Protexx Zincure

With topcoats: Chevaline Colourcure-2, Protexx Mioxx Topcoat

May be applied over existing micaceous iron oxide coatings (epoxy, urethane, alkyd) after a check for satisfactory adhesion.

COLOUR:

Silver grey. Can be tinted where required for intercoat differentiation.

STANDARD PACK:

4 litre metal cans, 20 litre metal pails.

PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	45
Specific gravity	1.4-1.5
Flash point (°C)	29
Shelf life	12 months in original sealed container when stored in cool, dry conditions.

Applied Film	
Flexibility	Passes 6 mm mandrel at 100 um d.f.t.
Durability	Very good weather resistance.
Adhesion	Excellent to correctly prepared surfaces.
Chemical resistance	Very good to normal industrial pollutants.
Corrosion resistance	Resistance to sub-film corrosion and blistering is very good.

SURFACE PREPARATION:

Mild Steel: Should be sand-grit blasted for best adhesion. Prime with Protexx Zincure for maximum performance in adverse conditions.

Zinc-Coated Steel: Waterblast existing structures or degrease to ensure a clean surface.

Previously Coated Surfaces: Waterblast to clean off all detritus. Spot blast and prime all rusted areas.

APPLICATION METHOD:

Brush	Apply as supplied.
Roller	Apply as supplied.
Airless Spray	0.5-0.7 mm nozzle 175-225 kg/cm ² pressure

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APPLICATION PROPERTIES:

Spreading rate:

4.5 sqm/litre to achieve a dry film thickness of 100 microns.

Dry times:

Dry to touch	1-2 hours
Dry to handle	2-4 hours
Normal intercoat time	8-24 hours
Through cure	3-5 days depends on application conditions

THINNING/CLEANUP:

Colourcure Thinners. Protexx Mioxx Bodycoat cure on exposure to atmospheric moisture and cans should be cleaned immediately after use. Cans should be tightly sealed when not in use. Recirculate Xylol in spray equipment during breaks in application.

SPECIFICATION NOTES:

This material is always used as part of a system of:

- Primer/sealer
- Protexx Mioxx Bodycoat (1 or 2 coats)
- Topcoat.

Specifications are prepared for individual applications taking into account surface type and condition, service conditions and colour requirements.

HEALTH AND SAFETY:

Protexx Mioxx Bodycoat is a solvent-based urethane coating. All normal precautions for handling solvent-borne materials must be observed including:

- Storage in cool dry conditions away from naked flames.
- No smoking in area while handling or applying Protexx Mioxx Bodycoat.
- Use of barrier cream on exposed skin.
- Use of solvent cartridge mask and safety goggles while handling material.

Note: This material contains less than 0.2% free isocyanate monomer and presents a low health hazard, but in some countries special handling regulations may pertain.

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
Manufacturer website	www.equus.nz
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