

# PROTEXX MIOXX WB

Semi-gloss topcoat for galvanised steel

January 2024

## PURPOSE AND AREAS OF USE:

A waterborne semi-gloss topcoat for galvanised steel surfaces such as roofing and semi-industrial cladding where ease of application must be combined with the durability of micaceous iron oxide pigmentation. Mioxx W.B. should not be used in heavy industrial applications where acid deposition is likely, as some discolouration could occur.

## PRODUCT:

A single component waterborne acrylic coating, pigmented with micaceous iron oxide and tinting pigments.

## PROCESS COMPATIBILITY:

Normally used as a two-coat topcoat system over an appropriate primer, depending on surface condition.

Primers include:

Chevaprime-U - Galvanised steel in good condition or where surfaces are used for drinking water collection.

Protexx Zincure - For surfaces showing signs of red rust or commercial calcium plumbate primers conforming to PSPC-P-13.

## COLOUR:

Silver grey, charcoal grey, and deep tone oxide colours. A colour matching service for mid-tone and deep tone shades is available, subject to minimum order quantities.

## STANDARD PACK:

20 litre metal pails.

## PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	40
Specific gravity	1.36
Flash point (°C)	None - waterborne material
Shelf life	Three years in original sealed container when stored in cool, dry conditions.

Applied Film	
Flexibility	Passes 3 mm mandrel
Durability	Excellent long-term service can be expected.
Chemical resistance	Good resistance to general atmospheric pollutants. May discolour in acidic environments.

## SURFACE PREPARATION:

New galvanised steel	Should be thoroughly degreased with Equus Galvoclean and well-rinsed prior to priming with Chevaprime-U or Calcium plumbate primer.
Existing galvanised steel (unpainted)	Waterblast to remove all dirt and oxide deposits, allow to dry and prime with Zincure, Chevaprime-U or Calcium plumbate primer, as circumstances dictate.
Existing galvanised steel (painted)	Waterblast to remove all dirt and loose paint. Spot prime with Protexx Zincure where oxidised or rusty metal is present, or with Chevaprime-U where clean uncorroded galvanised steel is exposed.

# PROTEXX MIOXX WB

Semi-gloss topcoat for galvanised steel

January 2024

## APPLICATION METHOD:

Brush	For small areas and flashings only.
Roller	Use profiled roller on corrugates section galvanised roofing only.
Spray	Use airless or air-assisted spray on all areas where set-up is justified. Airless spray is the preferred method, using a 0.45-0.5 mm top at 130 bar pressure.
Thinning/Clean up	Water

## APPLICATION PROPERTIES:

### Spreading rate:

Theoretical	10 sqm/litre
Practical	8 sqm/litre at 40µ d.f.t.
Note: Spreading rate will depend on metal profile. Above rates are on a flat surface.	

## Recommended Film Thickness/Coat:

Wet	100-110 microns
Dry	40-45 microns

## Dry times:

Dry to touch	2-3 hours
Dry to recoat	Cladding: 4-6 hours Roofing: 6-12 hours

## SHORT-FORM SPECIFICATION:

To (nominate areas) apply a two-coat Protexx Mioxx W.B. system in accordance with Manufacturer's recommendations to achieve a minimum of 80 microns d.f.t. after cleaning and priming/patch priming (delete one) with (nominate primer).

## MAINTENANCE:

Protexx Mioxx W.B. may be washed down and self coated or overcoated with Chevaline Colourglaze at any time.

## HEALTH AND SAFETY:

Protexx Mioxx W.B is a waterborne material and contains no mammalian-toxic substances. It is non flammable and requires no special storage conditions other than protection from frost and extreme heat. We do recommend the use of barrier cream on hands and the use of a spray mask when handling/applying this material.

## WARNINGS AND BANS:

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



1103

3 Pages

TECHNICAL  
DATA  
SHEET

Page 2 of 3

# PROTEXX MIOXX WB

Semi-gloss topcoat for galvanised steel

January 2024

## 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	<a href="http://www.equus.nz">www.equus.nz</a>
Manufacturer email	<a href="mailto:info@equus.nz">info@equus.nz</a>
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306