

PERMACOAT

Versatile high-build bodycoat

February 2024

PURPOSE AND AREAS OF USE:

A versatile high-build bodycoat for application to concrete or metal roofing substrates as part of the Permacoat/Permaglaze Roof Coating System.

PRODUCT:

A heavy-bodied high-build acrylic bodycoat with built in flexibility, durability, early water resistance and high adhesive properties.

PHYSICAL PROPERTIES:

Liquid Membrane	
Solids (% by volume)	45%
Specific Gravity	1.31
Flash Point	None - waterborne material
Shelf Life	3 years in original sealed containers when stored in cool dry conditions and protected from frosts.

Applied Coating	
Flexibility	Passes 3 mm mandrel at 200 microns dft (ASTM D1737-82) at 20°C on galvanised steel substrate.
Durability	Excellent long term service may be expected from this coating.
Chemical Resistance	Excellent resistance to all normal environmental pollutants. Ease of cleaning is enhanced by use of Permaglaze as an overglaze.
Fungus Resistance	Permacoat contains a highly effective anti-fungal preparation which does not contain toxic metals or phenols.

SURFACE PREPARATION:

Ensure all surfaces to be coated are dry, and free of loose material, oil, grease, dirt etc. Mosskill when necessary and allow to dry. Remove nibs and protrusions and make good all cracks, holes and surface damage with appropriate fillers and allow to cure before coating.

PRIMING:

Concrete and chalky previous painted surfaces	Permacoat/water 50/50.
Aged galvanised steel	Generally self priming, depending upon state of the surface.
New galvanised steel / zincalume	Refer to Equus Industries Ltd for advice.

APPLICATION METHOD:

Airless spray	Use a 0.45 mm tip at 175 kg/cm ²
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APPLICATION PROPERTIES:

DO NOT apply Permacoat in air temperatures less than 8°C or when the temperature might fall below 8°C during the drying process, or when the surface temperature is less than 5°C.

Spreading Rate:

4.5 sqm/litre per double pass airless spray coat (90 m²/20 litre pail)

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Dry time:

Touch dry	1-2 hours at normal conditions.
Through dry	12-24 hours at normal conditions.
Full hardness	7-10 days at normal conditions.
Recoat time	1.) Waterborne topcoats - allow 4-6 hours under normal conditions. 2.) As soon as touch dry, or when existing coating can withstand subsequent application method.

Note: Normal conditions are 18-23°C and 60-70% Relative Humidity. Cooler and damper conditions prolong dry times.

THINNING/CLEANUP:

Use clean water for both. Clean equipment immediately after use. Fully dried material is difficult to remove, especially from spray equipment.

HEALTH AND SAFETY:

Permacoat 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 excessive temperatures. However we recommend the use of barrier cream on hands and safety spectacles 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
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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
Manufacturer email	info@equus.nz
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306