

PERMACHIP

High-build sprayed texture finish

February 2024

PURPOSE AND AREAS OF USE:

A high-build 'lumpy' sprayed texture finish for use in restoration of 'chip finish' appearances to processed metal roof tiles.

PRODUCT:

A heavy-bodied, aggregate - filled, thixotropic, water-borne acrylic coating.

PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	70%
Specific Gravity	1.5-1.55
Flash Point	None - waterborne material
Shelf Life	2 years in original sealed containers when stored in cool dry conditions and protected from frosts.

Applied Film	
Flexibility	Passes 5 mm mandrel
Durability	Very good weather resistance. System life depends on topcoat selected for use.
Chemical Resistance	Very good for normal atmospheric pollutants. System resistance will depend on topcoat properties.
Fungus Resistance	Permachip 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.

PRIMING:

Bitumen surfaces	Self priming.
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:

Hopper gun or Mono-pump texture gun. Nozzle size 4/8 mm diameter depending upon required texture.

APPLICATION PROPERTIES:

DO NOT apply Permachip 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:

1-1.5 sqm/litre	20-30 m ² per 20 litre pail
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Dry time:

Touch dry	2-4 hours at normal conditions.
Through dry	12-14 hours at normal conditions.
Full hardness	7-10 days at normal conditions.
Recoat time	Waterborne topcoats - allow 8-12 hours under normal conditions.

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

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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:

Permachip 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
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Manufacturer NZBN	9429032000306