NZMA00053 Maxiproof Maxiproof Matt on Painted Concrete Flooring [Exterior]

Description

Maxiproof Matt is an aliphatic interior/ exterior moisture-cured polyurethane finish coat with added UV absorbers. It is designed to produce a hardwearing, traffic tough finish that is UV, heat, scuff and scratch resistant. Maxiproof Matt is ideal for extreme, high-traffic commercial areas such as shopping malls, sports floors, boards, bars and cafes. Maxiproof Matt also provides a tough, clear finish for bench tops, furniture and joinery, especially if exposed to direct sunlight.

Substrate and Substrate Preparation

Substrate Notes

CONCRETE
A mixture of Portland cement, fine and coarse mineral aggregates, water and additives. Concrete is generally reinforced with mild steel bars and/or mesh. Unless the concrete is suitably coated, it is prone to spalling, particularly in or near cities, industrial areas and near the coast. Concrete comes in a range of densities, and these can affect the adhesion of coatings.

Substrate Preparation Notes

ASSESS SUITABILITY
Inspect to determine the degree of deterioration of existing coatings. Identification of the existing coating is also very helpful in determining the repaint system. Check coating adhesion using the cross-cut adhesion test, carried out in various locations.

REMOVE SURFACE CONTAMINANTS
Clean to remove all dirt, dust, efflorescence, laitance, powdery surfaces, mould and all other surface contaminants by using a suitable cleaning agent, such as Dulux Prep Wash and rinsing/water blasting clean with water. Water blasting will also give a good indication as to the coatings integrity. Efflorescence may also be removed with an acid treatment, followed by washing down the surface with water.

REPAIR SURFACE IMPERFECTIONS
Prepare all areas that have poor adhesion, cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing, grit blasting, burning off or chemical stripping as appropriate, to leave a clean surface. Feather edges of the surrounding sound paint to completely remove visual ridges and wash / dust off to remove debris. Any major design faults leading to structural failure must be corrected prior to repainting. Use an acrylic based patching compound with the addition of 10-20% fresh Portland cement to patch any surface defects.

SANDING
Sand the entire cleaned coating to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to. Ensure all sanding dust is removed prior to continuing.

ADDITIONAL NOTES:
• Ensure all previously painted enamel finishes are thoroughly abraded to ensure adequate adhesion of subsequent coating system.
• For successful floor coatings, adequate key into the substrate is vital. If the previous coating does not have adequate key into the substrate the coating may need to be removed and the substrate properly prepared.

Coating System Summary

• 1st Coat	Dulux PREP WASH
• 2nd Coat	Maxiproof Maxiproof Gloss
• 3rd Coat	Maxiproof Maxiproof Gloss
• 4th Coat	Maxiproof Maxiproof Matt

Coating System

1st Coat — Dulux PREP WASH

Coat Type	Datasheet
1st Coat	**NZDU00398 Dulux PREP WASH**

Read the full Datasheet details at Dulux PREP WASH

Application Methods

Brush

Broom Garden sprayer

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	6	12	
Recoat Time **	n/a	n/a	n/a

Meets ECNZ V.O.C. Requirements?
Not Applicable

Coating Application Details

Apply by broom or brush. Or by garden sprayer.
1. Add one part Dulux Prep Wash concentrate to one part water in a clean plastic bucket and mix well.
2. Test on a small inconspicuous area at recommended dilution to determine effectiveness and strength required.
3. Apply diluted Dulux Prep Wash solution to walls/roof/trim with a broom/brush or garden sprayer. Leave the solution on the surface until mould and mildew stains disappear or soften (approximately 10 minutes), avoiding allowing the solution to dry out. Scrub vigorously.
4. Rinse off the surface with water using a high pressure or garden hose and allow surface to dry. Surface may be slippery while wet (roof). Stubborn stains may require longer time, more vigorous scrubbing, or additional treatment. Severely stained surfaces may need a power washer, or treatment with undiluted Dulux Prep Wash concentrate.

SDS Number	SDS Link
000000022880	**View SDS Link**

2nd Coat — Maxiproof Maxiproof Gloss

Coat Type	Datasheet
2nd Coat	**NZMA00007 Maxiproof Maxiproof Gloss**

Read the full Datasheet details at Maxiproof Maxiproof Gloss

Application Methods

Brush **Roller** **Pad**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	12.1	8	8
Wet Film Per Coat (microns)	83	125	125
Dry Film Per Coat (microns)	32	48	48
Recoat Time **	8 Hours	Indefinite	

V.O.C. Level	Meets ECNZ V.O.C. Requirements?
562 g/L	**Not Applicable**

Coating Application Details

Applicator pad, brush or short-nap mohair roller.
Product may be applied by applicator pad, brush or short-nap mohair roller, however ensure care is taken to minimise air bubbles. Always lay off along the grain.Always work out of direct sunlight. Timber being coated should be dry and cool to the touch. Follow all other good coating practices.
IMPORTANT Minimise the exposure of Maxiproof Gloss to moisture in the air by ensuring that the container is sealed immediately after decanting a sufficient amount for immediate use. DO NOT return unused product to the original container.
For new builds, exposed timber should be coated on all faces, edges, and ends before being attached to the building framework. For timber end grain it is recommended to seal following the full product specification - 3 coats.
Stir thoroughly before and during use with a broad, flat stirrer to maintain a uniform solution.
Allow approximately 8 hours for 1st coat to dry. Lightly sand 1st coat. Apply 2nd and 3rd coats unthinned. Lightly sand between coats.
Maxiproof Gloss can be sprayed but application must be in accordance with spray-painting regulations. Forced air respirators are compulsory.

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3rd Coat — Maxiproof Maxiproof Gloss

Coat Type	Datasheet
3rd Coat	**NZMA00007 Maxiproof Maxiproof Gloss**

Read the full Datasheet details at Maxiproof Maxiproof Gloss

Application Methods

Brush **Roller** **Pad**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	12.1	8	8
Wet Film Per Coat (microns)	83	125	125
Dry Film Per Coat (microns)	32	48	48
Recoat Time **	8 Hours	Indefinite	

V.O.C. Level	Meets ECNZ V.O.C. Requirements?
562 g/L	**Not Applicable**

Coating Application Details
Applicator pad, brush or short-nap mohair roller.
Product may be applied by applicator pad, brush or short-nap mohair roller, however ensure care is taken to minimise air bubbles. Always lay off along the grain.Always work out of direct sunlight. Timber being coated should be dry and cool to the touch. Follow all other good coating practices.
IMPORTANT Minimise the exposure of Maxiproof Gloss to moisture in the air by ensuring that the container is sealed immediately after decanting a sufficient amount for immediate use. DO NOT return unused product to the original container.
For new builds, exposed timber should be coated on all faces, edges, and ends before being attached to the building framework. For timber end grain it is recommended to seal following the full product specification - 3 coats.
Stir thoroughly before and during use with a broad, flat stirrer to maintain a uniform solution.
Allow approximately 8 hours for 1st coat to dry. Lightly sand 1st coat. Apply 2nd and 3rd coats unthinned. Lightly sand between coats.
Maxiproof Gloss can be sprayed but application must be in accordance with spray-painting regulations. Forced air respirators are compulsory.

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4th Coat — Maxiproof Maxiproof Matt

Coat Type	Datasheet
4th Coat	**NZMA00006 Maxiproof Maxiproof Matt**

Read the full Datasheet details at Maxiproof Maxiproof Matt

Application Methods

Brush Roller Pad

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			8
Wet Film Per Coat (microns)			125
Dry Film Per Coat (microns)			41
Recoat Time **	8 Hours	Indefinite	

V.O.C. Level	Meets ECNZ V.O.C. Requirements?
708 g/L	Not Applicable

Coating Application Details

Applicator pad, brush or short-nap mohair roller.
IMPORTANT Minimise the exposure of Maxiproof Matt to moisture in the air by ensuring that the container is sealed immediately after decanting a sufficient amount for immediate use. DO NOT return unused product to the original container.
Machine shake, or shake vigorously by hand before decanting.
Maxiproof Matt is a special effect finish coating only, and must be applied onto surfaces prepared and coated with Maxiproof Gloss. Product may be applied by applicator pad, brush or short-nap mohair roller, however ensure care is taken to minimise air bubbles. Always lay off along the grain.
Allow approximately 8 hours for the previous coat of Maxiproof Gloss to dry, and lightly sand before applying Maxiproof Matt. If recoating Maxiproof Matt, a tie coat of Maxiproof Gloss must be applied to the well sanded Maxiproof Matt coating, before applying a fresh coat of Maxiproof Matt in the recommended recoat window.
Maxiproof Matt can be sprayed but application must be in accordance with spray-painting regulations. Forced air respirators are compulsory.

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Coating System Notes

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.