

NZMA00052 Maxiproof Maxiproof Matt on Painted Precast, Tilt-up and Off Form Concrete [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

For other masonry and cementitious substrates (such as concrete block) please use the Masonry substrate.

OFF FORM CONCRETE

Off-form Concrete is produced by placing suitable forms and shoring to hold the wet concrete into the required shape. Reinforcements are placed within or on the formwork to give concrete its strength. Once the formwork and shoring are removed the result is the off form concrete.

TILT UP

Tilt-up concrete is derived simply from the method of construction, wall panels are cast on a horizontal surface that then require lifting, and tilting vertically into their final position. Construction is commenced with the laying of the structures foundation and floor slab, wall panels are then cast on the floor one on top of each other in a stack arrangement.

PRE-CAST

Pre-Cast concrete are concrete panels that are cast on horizontal vibrating beds that are then cured in racks that are delivered to site that then require lifting, and positioned into their final position.

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.

PRIME





Spot prime any exposed areas with a suitable water based primer, unless a more penetrating solvent based primer is required.

ADDITIONAL NOTES:

- Ensure all previously painted enamel finishes are thoroughly abraded to ensure adequate adhesion of subsequent coating system.

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 1st Coat	Datasheet NZDU00398 Dulux PREP WASH		
Read the full Datasheet details at Dulux PREP WASH			
Application Methods			
 Brush Broom Garden sprayer			
Theoretical Spread Rate (m²/L)	Min 6	Max 12	Recommended
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 000000022880	SDS Link View SDS Link		
2nd Coat — Maxiproof Maxiproof Gloss			
Coat Type 2nd Coat	Datasheet NZMA00007 Maxiproof Maxiproof Gloss		
Read the full Datasheet details at Maxiproof Maxiproof Gloss			
Application Methods			
 Brush  Roller  Pad			
Theoretical Spread Rate (m²/L)	Min 12.1	Max 8	Recommended 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 562 g/L	Meets ECNZ V.O.C. Requirements? 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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22836

SDS Link
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3rd Coat — Maxiproof Maxiproof Gloss

Coat Type
3rd Coat

Datasheet
NZMA00007 Maxiproof Maxiproof Gloss

Read the full Datasheet details at [Maxiproof Maxiproof Gloss](#)

Application Methods



Brush



Roller



Pad

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text" value="12.1"/>	<input type="text" value="8"/>	<input type="text" value="8"/>
Wet Film Per Coat (microns)	<input type="text" value="83"/>	<input type="text" value="125"/>	<input type="text" value="125"/>
Dry Film Per Coat (microns)	<input type="text" value="32"/>	<input type="text" value="48"/>	<input type="text" value="48"/>
Recoat Time **	<input type="text" value="8 Hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>

V.O.C. Level
562 g/L

Meets ECNZ V.O.C. Requirements?
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.

SDS Number
22836

SDS Link
[View SDS Link](#)




4th Coat — Maxiproof Maxiproof Matt

Coat Type
4th Coat

Datasheet
NZMA00006 Maxiproof Maxiproof Matt

Read the full Datasheet details at [Maxiproof Maxiproof Matt](#)

Application Methods

<div>  Brush  Roller  Pad </div>			
	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text"/>	<input type="text"/>	8
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	125
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	41
Recoat Time **	8 Hours	Indefinite	<input type="text"/>
V.O.C. Level 708 g/L		Meets ECNZ V.O.C. Requirements? 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.			
SDS Number 22837		SDS Link View SDS Link	
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.