

NZMA00009 Maxiproof Maxiproof Matt on New 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

New concrete floors shall be cured for 28 days minimum. If a wax based curing compound has been used, the coating of the concrete is not recommended as the wax prevents adhesion to the concrete.

CLEAN

Remove all surface contamination such as dirt, dust, efflorescence, curing compounds, bond breakers, grease or oils by washing with a free-rinsing, alkaline detergent. Oil or grease stains may require steam cleaning. Rinse with fresh water to remove all detergent residues. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. Repeat until the surface is clean. Efflorescence may also be removed with an acid treatment, followed by washing down the surface with water.

ABRADE

Diamond grind, track blast or shot blast the floor to remove surface laitance and create a sound, profiled substrate for topcoating. All surfaces should be clean, free of dust and dry prior to coating.

OR

ACID ETCH

Abrasion is generally preferred over acid etching, as abrasion gives better key into the surface.

1. Add 1 part of 33% Hydrochloric Acid to 2 parts water to make a 10% Hydrochloric acid solution. Always add acid to water and wear appropriate protective equipment. 2. Apply liberally to cover the floor using a large watering can. Apply at 3m² per litre MINIMUM. 3. Work the acid into the concrete with a stiff-bristled yard broom for 15 minutes. Bubbling at the water/concrete interface should occur. 4. Neutralize with a mild alkaline detergent, working the detergent into the concrete with the broom. Wash with liberal quantities of clean water. High-pressure wash to 3,000 PSI will ensure a faster and more thorough result.

DUST CLEAN

Remove all dust, coating residue and abrasive grit from the surface by industrial vacuum recovery or by washing down again with an alkali based degreasing solution, followed by thorough rinsing with fresh water. Pay particular attention to cracks and expansion joints.

REPAIR SURFACE IMPERFECTIONS

Fill all cracks, blowholes and other imperfections with a suitable solvent tolerant filler and allow to cure. Do NOT fill expansion joints. Use an epoxy filling mortar to fill any cracks, defects or blowholes in the concrete.

CHECK MOISTURE

Ensure that the floor is dry before coating; the moisture content of the bare concrete should be no greater than 10%.

COAT







Apply the floor coating system in strict accordance with the technical data sheets and specification without delay before the floor becomes recontaminated.

ADDITIONAL NOTES:

- For successful floor coatings, adequate key into the substrate is vital. Abrasion or etching is required for smooth substrates.




Coating System Summary

- | | |
|------------|---------------------------|
| • 1st Coat | Maxiproof Maxiproof Gloss |
| • 2nd Coat | Maxiproof Maxiproof Gloss |
| • 3rd Coat | Maxiproof Maxiproof Matt |

Coating System			
1st Coat — Maxiproof Maxiproof Gloss			
Coat Type 1st Coat	Datasheet NZMA00007 Maxiproof Maxiproof Gloss		
Read the full Datasheet details at Maxiproof Maxiproof Gloss			
Application Methods			
<div>  Brush  Roller  Pad </div>			
	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 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		
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			
<div>  Brush  Roller  Pad </div>			
	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 562 g/L	Meets ECNZ V.O.C. Requirements? Not Applicable		
<p>Coating Application Details</p> <p>Applicator pad, brush or short-nap mohair roller.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Stir thoroughly before and during use with a broad, flat stirrer to maintain a uniform solution.</p> <p>Allow approximately 8 hours for 1st coat to dry. Lightly sand 1st coat. Apply 2nd and 3rd coats unthinned. Lightly sand between coats.</p> <p>Maxiproof Gloss can be sprayed but application must be in accordance with spray-painting regulations. Forced air respirators are compulsory.</p>			
SDS Number 22836	SDS Link View SDS Link		

3rd Coat — Maxiproof Maxiproof Matt

Coat Type 3rd Coat		Datasheet NZMA00006 Maxiproof Maxiproof Matt	
Read the full Datasheet details at Maxiproof Maxiproof Matt			
Application Methods			
<div><div> Brush</div><div> Roller</div><div> Pad</div></div>			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	<input type="text"/>	<input type="text"/>	<input type="text" value="8"/>
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<input type="text" value="125"/>
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<input type="text" value="41"/>
Recoat Time **	<input type="text" value="8 Hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>
V.O.C. Level 708 g/L		Meets ECNZ V.O.C. Requirements? Not Applicable	
Coating Application Details			
<p>Applicator pad, brush or short-nap mohair roller.</p> <p>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.</p> <p>Machine shake, or shake vigorously by hand before decanting.</p> <p>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.</p> <p>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.</p> <p>Maxiproof Matt can be sprayed but application must be in accordance with spray-painting regulations. Forced air respirators are compulsory.</p>			
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.