

NZMA00028 Maxiproof Maxiproof Matt on Painted Masonry [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

This is a generic masonry and cementitious substrate. It includes concrete block substrates. The following substrates are excluded: Precast, Tilt-up and Off-form, Concrete Flooring, Roof Tiles and Cement Render. Other specialty masonry or cementitious substrates may also not be covered by this substrate.

BRICK

Bricks are predominantly kiln-fired clay, which can be glazed or unglazed. The glazing on glazed bricks should be ground or scabbled to improve adhesion of the coating system. Brickwork is often raked, so rendering requires much more material than face-laid brickwork. The surface must be clean and sound, free of dirt, grime, mould, fungus, stains, powdery mortar smears and all other contaminants. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. If applying a texture coating, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed.

BLOCKWORK

Blockwork is largely cement based and highly porous, and usually flush-laid. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. The degree to which texture coatings camouflage flush walls depends on how flush the substrate has been constructed.

AUTOCLAVED AERATED CONCRETE (AAC)

AAC is manufactured from sand, lime and cement, to which is added water and aluminium paste. After mixing, the cement slurry is poured into moulds. The aluminium paste reacts with the alkaline elements in the mixture and forms hydrogen gas. This liberated gas expands the mixture forming extremely small finely dispersed air spaces. The product is removed from the mould after a few hours, cut to the required dimension and finally cured under pressure in a steam autoclave.

AAC Block Wall Systems are (typically) load-bearing external wall solutions for homes as an alternative to traditional double brick construction. Blocks are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

AAC Panel is (typically) a 50 or 75mm panel of Autoclaved Aerated Concrete (AAC) with corrosion protected steel reinforcement embedded during production. This lightweight, yet solid masonry panel is designed for external cladding in timber or steel frame construction. Panels are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

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. If a specialized, penetrating solvent based primer is required, use Dulux AcraTex 501/2 AcraPrime solvent based primer.

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

	Min	Max	Recommended
Theoretical Spread Rate (m ² /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
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




	Min	Max	Recommended
Theoretical Spread Rate (m ² /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 Gloss

Coat Type 3rd Coat		Datasheet NZMA00007 Maxiproof Maxiproof Gloss	
Read the full Datasheet details at Maxiproof Maxiproof Gloss			
Application Methods			
<div><div> Brush</div><div> Roller</div><div> Pad</div></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			
<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	

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	
<p>Coating Application Details</p> <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	
<p>Coating System Notes</p> <p>* 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.</p>			

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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.