

MICATEX

PRODUCT CODE: BBO Range & TMX Tint Bases

TECHNICAL DATA SHEET

Product Description	<p>MICATEX is an extremely durable UV-resistant waterbased coating with a fine texture. Hero Ingredient: Unique WeatherTough formulation improves water resistance. WeatherTough in combination with Mica and Marble protects walls by bridging and containing existing hairline cracks and preventing future hairline cracks from penetrating the MICATEX.</p>													
Intended Uses	<ul style="list-style-type: none"> To weatherproof and protect exterior wall surfaces. Suitable for application to suitably primed cement plaster, concrete, brickwork, fibre-cement, breeze blocks, PVC gutters and down pipes. 													
Features & Benefits	<ul style="list-style-type: none"> UV resistant - resists even the most severe sunlight conditions. Protects exterior surfaces against breakdown caused by harsh climatic conditions. Improves water resistance of walls thus preventing dampness on interior walls caused by driving rain. Reinforced with carefully graded aggregates of mica, mineral quartz and marble for long lasting protection durability and toughness. All colours have a high obliterating power and good light fastness. Effectively fills and bridges hairline cracks. Resists cracking and crazing associated with more brittle paints. Easy to apply and leaves at least twice the dried film thickness of conventional paints when used as recommended. No added lead 12 Year Quality Guarantee. (Refer to terms & conditions at www.plascon.co.za) 													
Product Information	Appearance	Matt												
	Colours	White (BBO 300) plus extensive standard colours as per colour card. Also available in a wide range of INSPIRED COLOUR Tints.												
	Tint Bases	Pastel Tint Base (TMX 1000), Deep Tint Base(TMX 2000), Transparent Tint Base (TMX 3010).												
	Generic type	Acrylic emulsion												
	Volume Solids	34 %												
	Recommended DFT	Min: 50 µm, Max: 70 µm												
	Recommended WFT	147 - 206 µm												
	Theoretical spreading rate	5.7m ² /L per coat @ 60 µm DFT This serves as a guide only.												
	Practical Spreading rate	The practical spreading rate will vary depending on the profile of the substrate, as well as the application technique and tools used.												
	TVOC	22 g/L for White <16 g/L for standard colours, Pastel & Deep bases (tinted) 18 g/L for Transparent base(tinted)												
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.												
	Method	Brush or normal medium to heavy pile roller.												
	Thinning	Not recommended - Ready for use.												
	Cleaning	Water.												
	Drying time	Touch dry: 30 min @ 23 °C Over coating: 2 h @ 23 °C												
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temperature</th> <th>Ambient Temperature</th> <th>Relative Humidity</th> </tr> </thead> <tbody> <tr> <td>Min: 10 °C</td> <td>Min: 10 °C</td> <td>Min: 10%</td> </tr> <tr> <td colspan="3">Or 2 °C min. above dew point</td> </tr> <tr> <td>Max: 35 °C</td> <td>Max: 35 °C</td> <td>Max: 85 %</td> </tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10%	Or 2 °C min. above dew point			Max: 35 °C	Max: 35 °C	Max: 85 %
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Surface Preparation	<p>Ensure that surfaces are dry, firm and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> 1. NEW WORK: <ol style="list-style-type: none"> 1.1 Cement plaster, concrete, breeze blocks, brick, and stone: Ensure that concrete has dried for at least four weeks and other masonry surfaces two weeks before painting. Remove any loose particles and laitance by most suitable means. Remove any oil, grease and mould release agents with PLASCON AQUASOLV DEGREASER (GR 1). Rinse thoroughly. Prime with PLASCON PLASTER PRIMER (UC 56). 1.2 Fibre-cement: Remove any loose particles by most suitable means. Apply 1 coat of PLASCON BONDING LIQUID (CVI 14). Allow to dry for 16 hours. 1.3 Wood: Sand smooth with 150 grit paper working in the direction of the grain. Dust off. Seal knots and resinous areas with PLASCON KNOT SEAL (PK 2). Prime exterior wood with PLASCON WOOD PRIMER (UC 2). 1.4 Mild steel: Degrease with PLASCON AQUASOLV DEGREASER (GR 1). Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical wire brushing, or REMOVAL RUST REMOVER AND CONCRETE ETCHER (RCC 120). Prime general surfaces the same day with PLASCON METAL PRIMER (UC 501) or PLASCOSAFE 18 PRIMER (EMS 18). 1.5 Galvanised steel: Clean with PLASCON GALVANISED IRON CLEANER (GIC 1) to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with PLASCON GALVANISED IRON PRIMER (GIP 1). 1.6 Hardboard: Prime with PLASCON PLASTER PRIMER (UC 56). 1.7 PVC gutters and down pipes: Clean and sand lightly. Prime with PLASCON MULTI-SURFACE PRIMER (WUP 1). 2. PREVIOUSLY PAINTED SURFACES <ol style="list-style-type: none"> 2.1 Previously painted surfaces in good condition: Remove loose and flaking paint back to a sound substrate and a firm edge. Spot prime bare areas with appropriate primer. Clean old paint with POLYCELL SUGAR SOAP POWDER solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of sugar soap. Sand glossy enamel surfaces to a matt finish. 2.2 Previously painted surfaces in poor condition : Completely remove paint by most appropriate means or by stripping with REMOVAL ALL PURPOSE PAINT REMOVER (RRA 220). Treat as for new work in point 1 above. 2.3 Chalky surfaces: Remove completely by scrubbing with a POLYCELL SUGAR SOAP solution. Rinse with tap water and allow to dry. Apply PLASCON BONDING LIQUID (CVI 14) or PLASCON PLASTER PRIMER (UC 56). 3. FILLING: Fill all imperfections or raked out plaster crack up to 4mm with POLYCELL MENDALL 90 or POLYCELL POLYFILLA EXTERIOR. Spot prime repaired areas with PLASCON PLASTER PRIMER (UC 56). Use POLYCELL MENDALL 90 for wood. 4. APPLICATION: Complete cutting in first using a two coat application by brush or roller and then proceed to paint the entire surface. Apply two or more coats to correctly primed surfaces to achieve complete obliteration. For optimum protection always apply at recommended spreading rate.
Cautions	<ul style="list-style-type: none"> • Fills and bridges hairline cracks up to 0.08mm in width for a period of 5 years applied at 100 µm DFT • MICATEX does not bridge plaster cracks nor does it prevent them from appearing. • N.B When applying tinted/standard colours to new masonry surfaces, prime first with the recommended primer. White may be applied directly. • NOT recommended for application with stippled roller because MICATEX is not designed to be applied at thicknesses higher than 70 µm DFT per coat. • Avoid painting during inclement weather or if temperature is below 10 °C. • To ensure that colours on a project are consistent check that batch numbers and product codes are the same.
Storage and Packaging	<p>Store away from direct sun, heat and severe cold.</p> <p>Packaging: 5L and 20L.</p>



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Tint Bases	<ul style="list-style-type: none"> The tint base containers are underfilled to levels which are specific for each tint base to allow for a calculated volume of colourants to be added. The volume indicated on the container is only achieved after the addition of all prescribed colourants as per the formulation. The tint bases and the colourants are unfinished or intermediate products which are not recommended for use by themselves. A finished product is only produced once the prescribed quantities of colourants have been thoroughly mixed with the tint base When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of MICATEX (BBO Range) Only colourants from the Plascon INSPIRED COLOUR system are permitted for use when tinting.
Tinting Procedure	<ul style="list-style-type: none"> Select the required colour and reference no. from the PLASCON INSPIRED COLOUR system, other suitable systems or colour cards and locate the applicable formulation from the tables. Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remark column prior to tinting.) Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation. Inject all required colourants, close container and shake on mechanical shaker for 5 minutes. Note: UNDER NO CIRCUMSTANCES TINT COLOURS FROM MICATEX WHITE (BBO 300) - USE ONLY THE PRESCRIBED TINT BASES
Safety Precautions	<ul style="list-style-type: none"> Keep out of reach of children. Ensure good ventilation during application and drying. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. Harmful if swallowed. Do not induce vomiting. Seek medical attention. Refer to Safety Data Sheet for complete information.

DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B. Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

N.B. TO ORDER: Quote product name, product code number, packaging and colour.

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