

PROFESSIONAL ELASTOSHIELD™

PRODUCT CODE: PES 1 & TED Tint Bases

TECHNICAL DATA SHEET

Product Description	A flexible, durable and weather-proof water-based coating.														
Intended Uses	For exterior application to suitably primed new and previously painted plaster, concrete, exposed plastered walls, window sills, small ledges and tops of plaster mouldings, as well as exposed weather-facing walls or fair faced brick walls.														
Features & Benefits	<ul style="list-style-type: none"> • Fibre Guard™ - Interlocking microfibres to bridge hairline cracks up to 0.08mm. • High build film protects and weather-proofs exterior walls • Highly elastic coat that can withstand repeated contraction and expansion over fine cracks. • Enhanced flexibility and elongation at low temperature. Can resist cracking at temperatures down to -5 °C • Slight stipple finish • Low VOC product • Water based • Fungal Resistant • 10 Year Quality Guarantee (Refer to T & C 's at www.plascon.co.za) 														
Product Information	Appearance	Low sheen													
	Colours	White (PES 1)													
	Tint Bases	Pastel (TED 1000), Deep (TED 2000) and Transparent (TED 3000) made to order													
	Generic type	Acrylic													
	Volume Solids	Approx. 40 %													
	Viscosity	105 – 115KU													
	Recommended DFT	60 - 80 µm													
	Recommended WFT	150 - 200 µm													
	Theoretical spreading rate	5.7m ² /L @ 70µm DFT. This is a guide only on smooth porous surfaces.													
	Practical spreading rate	Practical spreading rate will vary depending on profile of the substrate, as well as the application technique and tools used.													
	TVOC	<5 g/L for White and Pastel base (tinted) <16 g/L for Deep and Transparent bases (tinted)													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.													
	Method	Brush or roller (short to medium pile)													
	Thinning	Not recommended - Ready for use.													
	Cleaning	Water.													
	Drying time	Touch dry: 2 h @ 23 °C (50 % RH) Over coating: 6 h @ 23 °C - finishing coats													
	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 3 °C min. above dew point</td> </tr> <tr> <td>Max: 40 °C</td> <td>Max: 40 °C</td> <td>Max: 85 %</td> </tr> </tbody> </table>		Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	or 3 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
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Min: 10 °C	Min: 10 °C	Min: 10 %													
or 3 °C min. above dew point															
Max: 40 °C	Max: 40 °C	Max: 85 %													
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 20 L														

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Tint Bases	<ul style="list-style-type: none"> The tint base containers are under filled 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 individually. 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 PROFESSIONAL ELASTOSHIELD™. 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. UNDER NO CIRCUMSTANCES TINT COLOURS FROM ELASTOSHIELD™ WHITE - USE ONLY THE PRESCRIBED TINT BASES.
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"> NEW WORK 1.1 Cement plaster, concrete and unglazed brickwork: 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. N.B. Soft, under bound, friable and highly porous surfaces must be restored to a firm condition with PROFESSIONAL GYPSUM & PLASTER PRIMER (PP 700). 1.2 Fibre-cement: Remove any loose particles and laitance by most suitable means. Apply 1 coat of PLASCON BONDING LIQUID (CVI 14). Allow to dry for 16 hours. N.B. BONDING LIQUID must be over coated within 3 days after application. 2. PREVIOUSLY PAINTED SURFACES 2.1 Previously painted surfaces in good condition: Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Clean with POLYCELL SUGAR SOAP POWDER solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of SUGAR SOAP. Alternatively, clean with high pressure water jet. Spot prime bare areas with appropriate primer. Sand glossy enamel surfaces to a matt finish to aid adhesion. 2.2 Chalky surfaces: Remove completely by scraping, wire brushing, sanding, etc. to expose the underlying substrate. Apply PLASCON BONDING LIQUID (CVI 14) or PROFESSIONAL GYPSUM & PLASTER PRIMER (PP 700). N.B. BONDING LIQUID must be allowed to dry for 16 hours and over coated within 3 days after application. 2.3 Previously painted surfaces in poor condition: Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Clean with SUGAR SOAP solution. Treat as for new work. 3. FILLING: Fill defects with POLYCELL POLYFILLA MENDALL 90, POLYFILLA INTERIOR or EXTERIOR as appropriate. Seal POLYFILLA EXTERIOR with PROFESSIONAL GYPSUM & PLASTER PRIMER (PP 700).
Application	<ul style="list-style-type: none"> Apply two or more coats to correctly primed surfaces to achieve complete obliteration. Apply at recommended spreading rate. Always maintain a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Work from corner to corner or from a natural cut off point to another. Do not attempt touch ups but redo complete panels.
Cautions	<ul style="list-style-type: none"> Do not apply over damp areas N.B. When applying tinted/standard colours to new masonry surfaces, prime first with the recommended primer, To ensure that colours on a project are consistent check that batch numbers and product codes are the same. When moisture ingress has occurred to a value up to 14 on a DOSER B2 scale, use PROFESSIONAL DAMP PLASTER PAINT (PSB 600) as the primer. Avoid painting during inclement weather or if temperature is below 10 °C.

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Safety Precautions

- 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.
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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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