

## PROFESSIONAL ELASTOSHIELD™

PRODUCT CODE: PES 1 & TED Tint Bases

### TECHNICAL DATA SHEET

<b>Product Description</b>	A flexible, durable and weatherproof exterior coating with “microfibres” to bridge hairline cracks													
<b>Intended Uses</b>	For 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.													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>• Fibre Guard™ - Interlocking strength against cracking</li> <li>• High build and flexible</li> <li>• Contains “microfibres” to bridge hairline cracks</li> <li>• Weatherproofs exterior walls</li> <li>• Very slight stipple finish</li> <li>• Low VOC</li> <li>• Water based</li> <li>• Quick Drying</li> <li>• Fungal Resistant</li> </ul>													
<b>Product Information</b>	Appearance	Low sheen												
	Colours	White (PES 1)												
	Tint Bases	Pastel Tint Base (TED 1000),												
	Generic type	Acrylic												
	Solids	Approx. 50 ± 5% by mass; 40 ± 5% by volume												
	S G	1,2 ± 0,05												
	Viscosity	105 – 115KU												
	Flash point	Non-flammable												
	Theoretical spreading rate	Finishing coat: 5m <sup>2</sup> /ℓ This serves as a guide only												
	Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used.												
<b>Application Details</b>	Mixing	Stir thoroughly with a flat paddle until homogeneous.												
	Method	Brush or roller												
	Thinning	Not recommended - Ready for use.												
	Cleaning	Water.												
	Substrate	Suitably primed, unpainted and painted concrete, cement plaster, brickwork, building boards and gypsum plaster.												
	Application Environment	<table border="1"> <tr> <th>Surface Temperature</th><th>Ambient Temperature</th><th>Relative Humidity</th></tr> <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: 40 °C</td><td>Max: 40 °C</td><td>Max: 85 %</td></tr> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10%	or 2 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
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	Drying time	Touch dry 2 h @ 23 °C (50% RH)												
	Over coating	6 h @ 23 °C – finishing coats												
<b>Storage and Packaging</b>	Store away from direct sun, heat and severe cold.													
	Packaging: 5 ℓ and 20 ℓ													

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Tint Bases	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of <b>ELASTOSHIELD™</b>.</li> <li><b>Only colourants from the Plascon INSPIRED COLOUR system are permitted for use when tinting.</b></li> </ul>
Tinting Procedure	<ul style="list-style-type: none"> <li>Select the required colour and reference no. from the <b>PLASCON INSPIRED COLOUR</b> system, other suitable systems or colour cards and locate the applicable formulation from the tables.</li> <li>Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remark column prior to tinting).</li> <li>Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation.</li> <li>Inject all required colourants, close container and shake on mechanical shaker for 5 minutes.</li> <li><b>UNDER NO CIRCUMSTANCES TINT COLOURS FROM ELASTOSHIELD WHITE -USE ONLY THE PRESCRIBED TINT BASES.</b></li> </ul>
Surface Preparation	<p>Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> <li><b>NEW WORK</b> <ol style="list-style-type: none"> <li><b>Cement plaster, concrete and unglazed brickwork:</b> 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 <b>PLASCON AQUASOLV DEGREASER (GR 1)</b>. Rinse thoroughly. <b>N.B.</b> Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with <b>PROFESSIONAL GYPSUM &amp; PLASTER PRIMER (PP 700)</b>.</li> <li><b>Fibre-cement:</b> Remove any loose particles and laitance by most suitable means. Apply 1 coat of <b>PLASCON BONDING LIQUID (CVI 14)</b>. Allow to dry for 16 hours. <b>N.B. BONDING LIQUID</b> must be overcoated within 3 days after application.</li> </ol> </li> <li><b>PREVIOUSLY PAINTED SURFACES</b> <ol style="list-style-type: none"> <li><b>Previously painted surfaces in good condition:</b> Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with <b>POLYCELL SUGAR SOAP POWDER</b> solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of <b>SUGAR SOAP</b>. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish to aid adhesion.</li> <li><b>Chalky surfaces:</b> Remove completely by scraping, wire brushing, sandpapering, etc. to expose the underlying substrate. Apply <b>PLASCON BONDING LIQUID (CVI 14)</b> or <b>PROFESSIONAL GYPSUM &amp; PLASTER PRIMER (PP 700)</b>. <b>N.B. BONDING LIQUID</b> must be allowed to dry for 16 hrs and overcoated within 3 days after application.</li> <li><b>Previously painted surfaces in poor condition:</b> Completely remove paint by most appropriate means or by stripping with <b>REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220)</b>. Treat as for new work.</li> </ol> </li> <li><b>FILLING:</b> Fill defects with <b>POLYCELL POLYFILLA MENDALL 90</b>, <b>POLYFILLA INTERIOR</b> or <b>EXTERIOR</b> as appropriate. Seal <b>POLYFILLA EXTERIOR</b> with <b>PROFESSIONAL GYPSUM &amp; PLASTER PRIMER (PP 700)</b>.</li> </ol>
Application	<ul style="list-style-type: none"> <li>Apply two or three coats to correctly primed surfaces to achieve complete obliteration.</li> <li>Apply at recommended spreading rate.</li> <li>Do not apply over damp areas.</li> </ul>

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<b>Cautions</b>	<ul style="list-style-type: none"> <li>• <b>N.B.</b> When applying <b>tinted/standard</b> colours to new masonry surfaces, prime first with the recommended primer,</li> <li>• Avoid painting during inclement weather or if temperature is below 10 °C.</li> <li>• To ensure that colours on a project are consistent check that batch numbers are the same.</li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>• Keep out of reach of children.</li> <li>• Ensure good ventilation during application and drying.</li> <li>• In case of skin contact, wash with soap and water or a recognised skin cleaner.</li> <li>• Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.</li> <li>• Harmful if swallowed. Do not induce vomiting. Seek medical attention.</li> <li>• Refer to Material Safety Data Sheet for complete information.</li> </ul>

#### **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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