

	DIAMOND POWDER COATERS WA PTY LTD & DIAMOND ABRASIVE BLASTING	
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Electrical Busbar Insulating Plastic Coating:

DPC is pleased to announce the introduction of a thermo plastic coating suitable for the safe insulating of electrical bus bars, for use with-in distribution boards and other electrical equipment..

The coating can be applied in such a way as to leave appropriate conductors areas free of coating to allow electrical connections to be made.

The coating is available in clear, red, blue, black and white, with typical properties shown in the table below:

Typical Coating properties			
Salt Spray Resistance		ASTM B117-73	
Subsurface corrosion of scribed sandblasted steel panel	mm	(5% common salt in water at 35°C)	< 10 mm (1000 h)
Subsurface corrosion of scribed sandblasted aluminium panel			< 0 mm (2000 h)
Weathering, 2000 hr Exposure	Delta E	ASTM G53 (8hrs UVB at 60°C + 4hrs Cond at 50°C)	0.60
	% Gloss 60°		67
Appearance			Smooth / Glossy
Gloss, 60°	%	ASTM D523/DIN 67530	80
Gloss, 20°	%	ASTM D523/DIN 67530	55
Typical Electrical / Mechanical / Thermal Properties			
Hardness	Shore D	ASTM D2240/DIN 53505	48
Elongation at Break	%	ASTM D638/DIN 53455	580
Tensile Strength	MPa	ASTM D638/DIN 53455	16
Vicat Softening Point	°C	ASTM D1525/DIN 53460	77
Melt Flow Index (MFI) - 190°C/2.16 kg	g/10 min	ASTM D1238/ DIN 53735	27
Brittleness temperature	°C	ASTM D 746/DIN 53446	- 60
Dielectric strength E_d**	Kv/mm	ASTM D149/DIN 53481	>50 (500µm of coating)
Volumetric resistivity	Ohm/cm	ASTM D257/DIN 53482	1.36 x 10¹⁷

If you are interested in finding out how your abrasive blasting and powder coating needs can be met efficiently and to a high quality, please contact **Martin Buchan or Tim Glenister**, for an immediate response on the contact details at the top of the page.

Regards
Martin Buchan
 Managing Director

Diamond Powder Coaters
Diamond Abrasive Blasting

As a supplier of quality powder coatings and abrasive blasting we will provide our customers with superior service and first class powder coating.

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