

TECHNICAL DATA SHEET

Grauer & Weil (India) Limited
Paints



Pentathane Finish 4510

EIL: F-2

PRODUCT DESCRIPTION

Pentathane Finish 4510 is a two component Acrylic Polyurethane finish paint with Glossy finish and colour retention. It is cured with a Aliphatic isocyanate hardner and has good resistance to water, impact abrasion and industrial corrosive environment

INTENDED USES

As a finishing coat for protection of structural steel /pipelines/tanks in severely corrosive environment where chemical resistance is of prime importance .

PRACTICAL INFORMATION FOR Pentathane Finish 4510

Color	All Shade
Gloss Level	Glossy
Volume Solids	45 %
Typical Thickness	30-50 microns
Theoretical Coverage	9-15 m ² /liter at 30-50 microns D.F.T. at stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless spray, Brush

Drying Time & Over Coating Intervals.

Temperature	Over coating Interval of Pentathane Finish 4510			
	Touch Dry	Hard Dry	Minimum	Maximum
35°C (86°F)	30 Min	8 hours	12 hours	7 days

REGULATORY DATA

Flash Point	Base (Part A)	C/A (Part B)	Mixed
	36°C (97°F)	31°C (88° F)	35°C (95°F)

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SYSTEMS COMPATABILITY

Where a cosmetically acceptable topcoat is required, **Pentathane Finish 4510** can be applied over Zinc-O-Sil Series, Pentadur Zinc Phosphate Primer Pentadur, Zinc Rich Primer, Penatdur MIO.

SURFACE PREPARATION

The indicated maximum recoating interval refers to over coating with itself. A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoat intervals. If maximum recoating interval is exceeded, roughening of the surface to ensure intercoat adhesion.

APPLICATION

Mixing	Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. (1) Agitate Base (Part A) with a power agitator. (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator	
Mixing Ratio	19 (Part A) : 1 (Part B) by volume	
Working Pot Life	30° C (86° F) 8 hours	
Airless Spray	Recommended	- Tip range 15-19 thou - Total output fluid pressure at spray tip not Less than 176 kg/cm ² (2,500 p.s.i)
Brush	Recommended	Typically 30-40 microns
Thinner	Thinner 188	Do not thin more than allowed by local Environmental legislation.
Clean Up	Clean up all equipment immediately after use with Thinner 188. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays. All surplus materials and empty containers should be diagnosed of in accordance with appropriate regional regulations / legislation.	

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data sheets (MSDS) which Grauer & Weil India Ltd has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety and Environmental standards and regulations.

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In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult Grauer & Weil India Ltd for further advice.

PACK SIZE

20 litres & 4 litres unit

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STORAGE

Shelf Life 12 months minimum at 25 deg C (77 deg F). Store in cool & Dry place

Disclaimer

The data provided in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. While we endeavor to ensure that all advice we give about the product either in this sheet or otherwise is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product. The information contained in this sheet is liable to Change from time to time in the light of experience and our policy of continuous product development.

It is the user's responsibility to check that this sheet is current prior to using the product. Issue date : April 2010