

Coatthane™ F81

Polyurethane Finish

PRODUCT DESCRIPTION

A two pack acrylic aliphatic polyurethane finish with excellent durability and long term recoatability.

PRODUCT HIGHLIGHTS

- Formulated without lead and chromium VI compounds¹
- Can be applied easily by brush, roller or spray
- Excellent durability in terms of gloss and color retention
- Suitable over epoxy primer
- Extended overcoating interval and best in class drying time
- Available in wide range of colors

1 - May contain traces within permissible limits due to impurities in fillers

INTENDED USE



For use both in new construction and as an industrial maintenance finish in a wide variety of environments. This product can also be used as a finish for general purpose OEM industry.

TECHNICAL SPECIFICATION

Color	Wide range
Gloss	Gloss
Typical thickness	40 - 60 microns dry equivalent to 80 - 120 microns wet
Theoretical coverage	8.33 - 12.5 m ² /liter
Flash point (typical)	Part A 25°C ; Part B 25°C ; Mixed 25°C
Mixing ratio	9 (Part A) : 1 (Part B) by volume
Method of application	Brush, roller and spray
Thinner	Coatthin™ PU

DRYING TIME @ 25°C - OVERCOATING INTERVAL WITH SELF

Touch dry	Hard dry	Minimum	Maximum
1.5 hours	16 hours	16 hours	Extended ²

² See CoatIN Definitions and Abbreviations

Working pot life @ 25°C	2 hours
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SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Primed surfaces

Coatthane™ F81 should always be applied over a recommended anticorrosive coating scheme. The primer surface should be dry and free from all contamination. Coatthane™ F81 must be applied within the overcoating intervals specified (refer 'Technical Specification' section on this product data sheet). Areas of breakdown, damage etc., should be prepared to the specified standard (e.g. Sa2½ (ISO 8501-1:2007) or SSPC-SP6, abrasive blasting, or SSPC-SP11, power tool cleaning) and patch primed prior to the application of Coatthane™ F81.

APPLICATION CARE



The product consists of two packs. 'Part A' which is the base and 'Part B' which is the curing agent. Always mix thoroughly both parts before use. Combine 'Parts A & B' according to the mix ratio given in the 'Technical Specification' section. Mix thoroughly. The material should be filtered prior to use. Do not thin more than allowed by local environmental legislation.



All unused material should be stored in tightly closed containers. Partially filled containers may show skinning and/or viscosity increases of the material after storage. All surplus material and empty containers should be disposed of in accordance with appropriate local regulation.



When applying, the most important factors to consider are the condition of the substrate, the surface temperature, and the atmospheric conditions at the time of painting. Paint application should only be carried out under good atmospheric conditions.

For optimum application and drying characteristics, painting should NOT be undertaken:

- When the surface temperature is less than 3°C above dew point
- During fog or mist conditions or when rain or snow is imminent
- When the surface to be painted is wet with condensation or when condensation can occur during the initial drying period of the paint

SYSTEM COMPATIBILITY

The following primer is recommended for Coatthane™ F81

- Coatgard™ P70 - two pack epoxy based zinc phosphate primer

The following topcoat is recommended for Coatthane™ F81

- Coatthane™ F81 is designed to be topcoated with itself

SAFETY PRECAUTIONS

This product is intended for use only by professionals in accordance with the advice given on this product data sheet, Material Safety Data Sheet (MSDS) and the container(s). This product should not be used without referring to the Material Safety Data Sheet (MSDS).

PACK SIZE

Unit Size	20 liter	Part A	Vol 18 liter	Pack 20 liter	Part B	Vol 2 liter	Pack 5 liter
Unit Size	5 liter	Part A	Vol 4.5 liter	Pack 5 liter	Part B	Vol 0.5 liter	Pack 1 liter

SHIPPING WEIGHT

Unit Size	20 liter	Part A	24.5 kg	Part B	2.5 kg
Unit Size	5 liter	Part A	5.72 kg	Part B	1.1 kg

STORAGE

Shelf Life: 12 months minimum at 25°C. Subject to re-inspection thereafter. The sealed container should be stored in dry, shaded conditions away from sources of heat and ignition.

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the 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 at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product. This Technical Data Sheet is available on our website at www.coatin.in, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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