

Technical Data Sheet

Indothane 1070C

Acrylic Polyurethane Clear Finish

Product Description

Two component Aliphatic Acrylic Polyurethane based High Gloss Clear finish to provide excellent Gloss and Gloss retention. Indothane 1070C is suitable to Automotive Refinish in wet-to-wet application and for High Quality Wood Finish equally.

Recommended Use

This product is recommended as final coat over finely prepared pigmented topcoats to provide high quality gloss and protection from extreme weather. It provides good chemical and physical resistance and is also has non yellowing resistance. Specially recommended in Automotive refinish system for high gloss of metallic and solid shades over Sheet Metal, ABS and Alloys. 1070C is also recommended as weather protective coating for wood and wood flooring.

Physical Data

Colour	: Clear (Transperent)
Finish	: High Gloss (90GU+ at 60° angle)
Soild by Volume	: 45 ± 2%
Supply Weight (Kg/ Ltr)	: 1.01±0.05
Flash Point	: 29° C
Dry Heat Resistance	: Intermittent : 100°C, Continuous: 80°C
Shelf Life	: 12 months

Film Thickness

Recommended film thickness per coat

Dry Film Thickness	: 20-40μ in single coat
Wet Film Thickness	: 45-90μ in single coat
Therotical Coverage Rate	: 15.00 sq.mt / lit at recommended DFT of 30μ

Surface Preparation

All surfaces to be coated should be clean, absolutely dry and oil or moisture free before painting application. Oil and grease should be removed by solvent cleaning.

ABS Components: Should be applied after proper sanding of already coated surface by emery paper 320/ 400 for proper adhesion. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

New steel: Abrasive blasting to Sa 2½ (ISO 8501-1:2007) or 7 tank process of phosphating is a must for base coat adhesion. All uneven surface and contamination from handling/ storage etc should be thoroughly cleaned prior to final painting.

Maintenance: Remove dirt, oil and grease etc. thoroughly with suitable cleaner. Remove salts and other contaminants by isopropyl Alcohol cleaning. Clean surface areas thoroughly by emery paper or by abrasive blasting to min. Sa 2, preferably to Sa 2½ (ISO 8501-1:2007). Improved surface preparation will improve the performance of the product.

Wood: To be sanded by power grinding or emery paper to a uniform, sharp, smooth profile corresponding to Rz minimum 50 micron. Any dirt, grease, oil, etc. to be removed before application is commenced.

Application Data

Application Method	: Spray/ Airless Spray/Brush/ Roller
Mixing Ratio	: 4 Part (Base) : 1 Part (Hardener)
Pot Life	: Three Hours at 30°C
Thinner and Cleaner	: Indothane PU Thinner (IK.1705)
Airless Nozzle Orifice	: 0.38 - 0.53mm
Nozzle Pressure	: 155 kg/cm ² or 2200 psi

Working Precautions: Material should not be allowed to remain in pipeline, hoses, gun or spray equipment. Thoroughly flush all equipment with IK.1702 thinner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages, the work should recommence with freshly mixed units.

Maintenance: Clean all equipment immediately after use with IK.1702 thinner. It is good working practice to periodically flush out spray equipment during the course of the working day. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Drying Characteristics

Surface Dry	: 60 mins
Touch Dry (to Handle)	: 3 Hours
Hard Dry	: 24 Hours
Overcoating Interval	: Minimum 3 Hours

Drying and curing times are determined at 30°C under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Compatibility

Previous Coating	: Epoxy, Epoxy Mastic, Polyurethane
Subsequent Coating	: Self/ Polyurethanes

Storage

This is solvent based coating and the containers should be kept in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed.

Precaution

This product is for professional use only. The paint applicators should be trained, experienced and have the capability and equipment to mix and apply the coatings correctly as instructed. Applicators should use appropriate protection equipment when using this product.

This is solvent based product and should be use under well ventilated conditions. Do not inhale spray mist. Skin contact should be avoided. In case of spillage on the skin, it should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water.

Limitation of Liability

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. Our products are often used under conditions beyond INDOKOTE's control. INDOKOTE cannot guarantee anything but the quality of the product itself. No liabilities can be derived from this fact for individual cases. This issue replaces all previous versions – Printed in India.

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