

HS PU TOP COAT CLEAR / APCOTHANE 1435



PRODUCT DESCRIPTION

High gloss, two component, acrylic aliphatic polyurethane finish paint for ABS plastic

FEATURES & RECOMMENDED USE

- Excellent finish with high gloss
- Excellent flow and levelling characteristics
- Excellent outdoor durability & gloss retention

TECHNICAL DATA

Colour	Clear
Gloss	Glossy (min. 90 unit @ 60° gloss head)
Volume Solids	Approx. 55%
Recommended DFT / Coat	20 - 25 µm
Theoretical Coverage Capacity	27.5 sq.mtr/ ltr @ 20 µm DFT 22.0 sq.mtr/ ltr @ 25 µm DFT
Stoving Schedule	70°C / 30 minutes

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances
 The volume solids indicated are as per ASTM D 2697 air drying method
 The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc.
 The information provided above is at 30°C and 65% relative humidity

DIRECTIONS FOR USE

Surface Preparation

General

- Surfaces must be dry, clean and free from contaminants
- Ensure removal of dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
- The ABS substrate should be wiped with solvent (iso propyl alcohol) prior to application

Primed Surfaces

- Suitable PU base coat; dry & free from all surface contamination. Asian PU Top coat must be applied with the specified over-coating interval of the primer/ base-coat
- In case of aged base coat/repainting, the surface should be clean & sufficiently roughened prior to painting

Application Conditions

- Substrate temperature should be at least 3°C above dew point but not above 50°C
- Relative humidity should be below 85%
- Good ventilation is required in confined areas to ensure proper curing

Mixing

- HS PU Top Coat Clear / Apcothane 1435 is supplied in two packs. Stir the base and hardener separately. If settling is observed in the base, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing
- Mix hardener gradually into the base under continuous stirring as per the mixing ratio. Once the unit has been mixed, it should be consumed within the working pot life. In case of part mixing (which should be avoided), close the lids of containers tightly to avoid contact with atmospheric moisture
- Thinner should be added after mixing the components and post the induction time. Addition of excessive thinner will lead to reduced sag resistance

Mixing Ratio (by volume)	Base : Hardener 4 : 1
Induction Time	15 minutes
Pot Life at 30°C	4 hours

Application

Air Spray	
Recommended thinner	T 4021
Volume of thinner	45 - 60% by volume
Spray Viscosity on FCB4 @ 30°C	16 - 18 secs
Nozzle orifice	1.8 - 2.0 mm
Air Pressure	45 - 50 psi
Cleaning Thinner	T 4021

Cleaning

- Do not allow the product to remain in hoses, gun or spray equipment. Clean all equipment's immediately after use with T 359. It is recommended to periodically flush out spray equipment during the course of the working day. The frequency of cleaning will depend on amount sprayed, temperature and time gap
- All surplus material and empty containers should be disposed off in accordance with appropriate regional legislation

Product Characteristics

- The gloss and finish are dependent on the application method. The best gloss and finish is achieved by conventional spray application
- HS PU Top Coat / Apcothane 1435 clear must be thinned with the recommended thinner only. Usage of alternate thinners will affect the drying and curing process
- Premature exposure to condensation and rain may cause change in colour and gloss
- For system recommendation or any specific query, please consult Asian Paints PPG technical representative

PACK SIZE	20 L (Base : 16 L & Hardener : 4 L)
STORAGE	Shelf Life: At least 12 months at 30°C for original unopened pack, subject to inspection thereafter Store in a cool, dry place and in accordance with local regulations
REGULATORY INFORMATION	Flash point: Base : Not less than 24°C, Hardener : Not less than 24°C VOC: Approx. 430 gm/ ltr as per USA-EPA Method 24 Product Weight: Approx. 1.05 ± 0.03 kg / ltr

SAFETY INFORMATION

- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint
- Please refer our Material Safety Data Sheet prior to using the product

***Disclaimer:** To the best of our knowledge the information provided herein are true and accurate at the date of issuance. Since we have no control over the quality or condition of the substrate or the various factors affecting the use and application of the product, we do not accept any responsibility or liability arising out of use of the product. The company reserves the right to modify data contained herein without prior notice. Any change in data would normally be followed by issue of a new data-sheet. The user should check with the nearest sales office of the company and confirm the validity of the information, prior to using the product.*

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