

ACRYTHANE 2000 HI-SOLID POLYURETHANE AUTO FINISH

➤ Scope

Acrylic-isocyanate P.U system is the world leader, when it comes to repainting (refinishing) of vehicles. Being based on acrylic polyol, it is non yellowing and is faster drying in comparison to polyester P.U system.

Acrythane 2000 is our answer to solve all the problems of vehicle refinishing. To ensure non yellowing properties, we use only aliphatic isocyanate.

➤ Areas of Application

Any vehicle, two wheeler; three wheeler; commercial vehicle; bus or car, which need re-painting of ferrous; non-ferrous or even plastic parts of the vehicle, can be coated with acrythane 2000, to get a world class finish with extreme gloss.

➤ Surface Preparation

- (i) Remove old paint to see bare metal. This can be done with eurostrip.
- (ii) Remove oil/wax from upon the surface, using rustosan p-017.
- (iii) Apply a thin coat of metaprime-h (two pack wash primer), which is a must for aluminium body or parts.
- (iv) Fill up the dents with eurofill (polyester putty) and do not use N.C. Putty.
- (v) Wet sand the surface using medium coarse emery paper to get a silky smooth surface. Allow the surface to dry thoroughly.
- (vi) Apply one coat of acrythane primer grey ; allow to dry for 3-4 hours and wet sand, with medium coarse emery paper. Allow to dry thoroughly.
- (vii) Apply preferably wet on wet, two coats of acrythane surfacer grey. Alternatively, apply the second coat after an interval of 3 to 4 hours. When the film is hard dry, wet sand, using the finset emery paper, to get a silk smooth surface.
- (vii) For plastic parts, like bumpers, dashboard etc. A coat of adpro (adhesion promoter) is a must for adequate adhesion of acrythane 2000. On such areas, putty, primer-surfacer are not required.

Now, the vehicle is ready for application of acrythane 2000.

➤ Technical Data

• APPEARANCE	:	Base	:	as per shade
		Hardener	:	water white
• VISCOSITY	:	Base	:	95-100 secs. Fc /4 @ 30° c.
		Hardener	:	22-25 secs. Fc /4 @ 30° c.
• WEIGHT/LIT	:	Base	:	1.15 kgs.
		Hardener	:	1.01 kgs.
MIXING RATIO	:	Base (3)	:	hardener (1) by volume

ACRYTHANE 2000

A TWO PACK PU SYSTEM FOR VEHICLE REFINISHING

- VISCOSITY OF THE MIX : 38 – 40 seconds Fc /4 @ 30° c
- DRYING TIME : Touch dry : 10 - 12 minutes
Surface dry : 20 – 25 minutes.
Thumb impression free : 50 – 60 minutes.
Hard dry : six hours maximum
- RECOATABILITY : 3 – 4 hours
- POT LIFE : 4 hours minimum
- CROSS HATCH : Passes
- FLEXIBILITY : Passes 1/16" mandrel
- SCRATCH HARDNESS : 2000 gms. After curing for 48 hours
- IMPACT TEST : Direct : 2½ kgs. : height 15" passes
Reverse : 2½ kgs. : height 15" passes
- BURNING CIGARETTE : No mark is left on the film surface even after 3 – 4 minutes.

➤ Directions for Use

Prepare the surface according to the heading "surface preparation". Mix base and hardener in recommended ratio and thin down to 20-22 seconds in Ford cup no.4 @ 30° c. Use only P.U thinner 099.

In case of humidity in excess of 60%, blow hot air in the paint shop or in the spray booth. Ideal solution will be to install dehumidifier like Bryair apply three coats, each at an interval of 3 – 4 hours.

➤ Notes

P.U hardener is very sensitive to moisture. Keep the containers tight, each time after use. Normal thinners can ruin the P.U finish. Use only thinner 099. We offer adequate quantity of thinner 099, along with the base and hardener. Acrythane 2000 is also available as clear (varnish) for enhancing the gloss of any colour. It is fortified with UV inhibitor and thus, it lasts long as exterior finish.

➤ Disclaimer

The information contained within this data sheet is based on information believed to be reliable at the time of its preparation. The company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the user's responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.