

TURBOFIX HVC- R7 & TURBOCURE H7

DESCRIPTION

Turbofix HVC-R7 is black color viscous liquid of brushing viscosity. It is a two component, Polyurethane based adhesive. It can be used together with hardener Turbocure H-7 to improve performance and yields high strength adhesion when bonding rubber to rubber, rubber to fabric, rubber to steel, rubber to PVC, urethane, fiberglass, concrete etc. It has a high resistance to hydrolysis and very good heat resistance. Turbofix HVC-R7 is formulated after intense R&D efforts to address diverse application needs of the industry.

MIXING RATIO :

100 gms adhesive (HVC–R7) & 5 gms hardener (Turbocure H7)

CUSTOMER BENEFITS

- Fast Curing
- Higher coverage – Cost Effective
- Superior bonding strength – Quality output
- More open time – Meets Production cycle requirements
- No settlement – Uniform performance
- Does not contain benzene – Saves human life from possibility of cancer

SOME APPLICATIONS PROCEDURE

1) Surface Preparation:

Bonding surfaces must be free of oils, grease or other contaminants. In metals rust and mill scale should be removed by sand blasting.

2) Mixing Method:

Add required amount of hardener with adhesive. Mix the solution properly until a uniform coloration occurred. Recommended dose 5 grams of hardener with 100 grams of adhesive. The prepared mixture should be consumed within 1 hour to avoid the effect of solvent evaporation and thickening of the mix due to cross linking leading to inferior spreading property. Keep the pot covered whenever not in use.

3) Application:

- Apply thoroughly mixed adhesive and hardener (ratio of 100 : 5 by weight) on substrates by brush or appropriate machine. Second coat may be required on porous substrates e.g. leather upper, which can be given after a gap of 5-10 minutes of first coat.
Allow minimum drying time of 25 – 30 minutes, some extra drying time is advantageous
- Give heat activation under flash activator/ oven at a temperature of 75-85°C.
- Spot the substrates and bond them together under appropriate pressure.
- Chill the bonded unit to cool the glue line.
- Allow bonded surfaces to cure for 24 hours.

PROPERTIES

Appearance	Black color viscous liquid
Consistency	Brushable liquid
Viscosity (at 30 ± 2 °C)	2000 ± 100 cps
Density (at 30 ± 2 °C)	0.83 ± 0.02 gm/cc
Flash point	(-) 18 to 0 °C

PACK SIZES: 1 Liter, 5 Liters, and 30 Liters

STORAGE AND SHELF LIFE

Stored in well-sealed containers. Turbofix HVC-R7 and Turbocure H7 will remain satisfactory for 12 months from date of manufacture. Low or high temperature storage should be avoided.

SERVICES

For further information on this product together with advice on application please contact Polygel Industries Pvt. Ltd. Technical Services Department.

IMPORTANT NOTICE

Whilst all reasonable care is taken in the compilation of this data sheet, it is the customer's responsibility to determine the suitability of the product for the desired application. Also the specification parameters represent typical values and variations may be observed with in standard tolerances.

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