

HIND PU FOAM

SINGLE COMPONENT POLYURETHANE FOAM



DESCRIPTION

Hind PU Foam is a single-component self-expanding type, ready to use polyurethane foam with CFC free propellants and is completely harmless to the to the ozone layer.

USES

Hind PU Foam is used for installation of window and door frames, filling of gap between bottom of beam and top of AEC Block wall, sealing of all openings for roof construction, creation of sound proof screen, mounting and sealing of window and doorframes, application of a sound proof layer on motors, improving thermal insulation in cooling systems and connecting of insulation materials and roof construction.

ADVANTAGES

- Excellent bonding to almost most substrate except Teflon, PE and PP.
- Excellent filling capacities.
- Excellent mounting capacities.
- High Thermal & Acoustical Insulation.
- Excellent stability.
- Non-Shrink or Post Expansion.

APPLICATION

The aerosol can to be shaken for at least 20 seconds. The adapter is now to be fitted on the vale. The surface to be moisten with a water sprayer before application. Remove pressure from the applicator to stop flow of foam. The holes and cavities to be filled for 50% as the foam will expand. Shaking to be repeated regularly during application. If application is to be done in layers moistening process to be repeated after each layer. Fresh foam can be removed using acetone. Cured foam can only be removed mechanically. The working temperature is 5°C to 40°C (Ideal application temperature recommended is 20°C -25°C).

PROPERTIES

Base	Polyurethane
Consistency	Stable foam and thixotropic
Curing System	Moisture Curing
Skin Formation (FEICA TM 1014)	8 minutes
Cutting Time (FEICA TM 1005)	28 minutes
Density	Ca. 25Kg/m ³
Sound Insulation (EN ISO 717-1)	58 Db (Decibel)
Insulation factor (DIN 52612)	35 mW/m.K
Curing Time	90 minutes for a 30mm bead
Box Yield (FEICA TM 1003)	Foam 750ml yields ca. 29 l of foam
Joint Yield (FEICA TM 1002)	750ml yields ca.21m of foam
Shrinkage (FEICA TM 1004)	< 2%

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Post-Expansion (FEICATM 1004)	< 2%
Cellular Structure	Ca. 70% closed cells
Fire Rating (DIN 4102)	B3
Insulation Factor (DIN 52612)	35 mW/m.k
Compressive Strength (FEICATM 1011)	Ca. 2,0 N/cm ²
Shear Strength (FEICATM 1012)	Ca. 5,0 N/cm ²
Water absorption	1% volume
Temperature Resistance	-40°C till +90°C (Cured)

SHELF LIFE

Best before 12 months from the date of manufacture in unopened packaing. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between +5°C (Min.) and +25°C (Max.). It is advisable to store the can with valve pointed upwards.

PACKING

Available in 750 ml Aerosol can.

HANDLING PRECAUTION

Application of Hind PU Foam is to be done following usual industrial hygiene, wearing gloves and safety goggles. Remove cured foam mechanically and do not burn away.

Note: Cured PU foam is to be protected from UV radiation by painting or applying a top layer of sealants (Silicone, MS polymer, PU or Acrylic)

IMPORTANT NOTICE :

Hindcon Chemicals maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products. The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.

Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behaviour can change as per the prevailing conditions at the time of applications. Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use. The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.



✉ contactus@hindcon.com
☎ +91 33 24490839, 9830599113
☎ +91 33 24490849
📍 Kolkata, West Bengal, India

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