
Product Name : PUD
Grade: PUD-1235 / HC**Category: Dispersion / Coating**
Product Type: Polyester PUD

DESCRIPTION

bluthane PUD 1230 HC is an aqueous anionic aliphatic polyurethane dispersion based on highly hydrolysis resistant polyester polyol. It is designed for coating rigid substrates, such as concrete, wood, plastic, marble, polycarbonate, tiles and metal. It has excellent durability and displays good UV resistance due to its aliphatic chemistry.

Typical properties	
Type	Anionic, Aliphatic PU dispersion
Appearance	Translucent clear.
Total solids	35 %±1 (% w/w)
pH (25°C)	7.0-8.5
Viscosity	60- 250 cps
Cosolvent	Max. 8.0 % NMP
Elongation at break	200 %
Density (kg/l)	1.05
Konig hardness	160
Freeze/thaw stability	stable

FILM PROPERTIES

Adhesion to many substrates.
High Clarity, Hard & Flexible.
Excellent abrasion, chemical & impact resistance
Good Alcohol resistance.
Excellent water & alkali resistance.

APPLICATIONS

Concrete & rigid substrate coatings
Metal, plastic & wood coatings.
Parquet Floorings.
Industrial waterproof coatings

Advantages

Low VOC (volatile organic chemicals)
Good surface wetting, levelling & adhesion
Non-yellowing & excellent clarity
Tough and flexibility
Good compatibility with acrylics, vinyl



bluthaneTM
Speciality Polyurethane Products

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Application Procedure

PUD-1235/HC may be applied by flexographic or rotogravure and roll coating methods in case it is to be coated over substrates. The coated substrates are passed through a drying chamber or under Infra-red lamps (Temp. 60-100 deg C) and fully dried coating can be achieved after 24 hrs.

Coating can also be done with the aid of paint brush and spray gun. Please ensure that brushing is not overdone as it may cause air bubbles. If coating is done on exterior surfaces it may be left to dry in sunlight.

For blending with other polymer emulsions ensure the pH of the system is 7.5- 8.5

Special Precautions:

1. Use disposable polythene gloves while applying the coating to avoid contact with skin.
 2. Ensure wearing safety glasses to protect the eyes.
 3. Wash spillages with plain water
 4. Do not allow the brush, spray guns equipments to dry. A hard film will form and render them unusable. Wash them immediately with water.
 5. Store the contents in a cool place and never add tap water to dilute the coating.
 6. Use only demineralised or water free from salts.
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