

BC X5 Polyurea

Product Description:-

BC X5 Polyurea is a hot polyurea system that expands up to 4-5 times in volume after spraying, and performs surface preparation and waterproofing at the same time.

It is applied with high pressure and heated special spray machines. Also the system is environmentally friendly as it does not contain CFCs/HCFCs.

Properties:

Two component, aromatic, UV resistant
100 % solid content
VOC free, odorless
Fast set and service time
Applicable on all surfaces
No need for surface repair
No need for priming before application on dry surfaces.
Seamless
Applicable in any desired thickness
Can be used on horizontal and vertical surface
Suitable for internal and external applications
Good adhesion to dry metal, concrete and wooden surfaces without primer
Both surface preparation and waterproofing at the same time.
Smooth final surface
Provides partial thermal insulation
Good resistance to weather conditions

Application Areas:

General waterproofing applications (roofs, terraces, balconies etc.)
On thermal insulation products (PU foam, EPS, XPS etc.)
As a comfort layer in flooring areas needing a cushioning / shock absorption capacity
Foundation and curtain concretes



Application Conditions:

The surface must be strong and of sufficient strength. Application should not be made on screed concrete which has low quality. The compressive strength for surface must be minimum 25 MPa, the lowest adhesion strength should be 1,5 MPa.

Before application on fresh concrete the concrete should be allowed to dry for at least 28 days.

The surface and ambient temperature should be at least 5 °C.

Attention should be paid to condensation on the surface. Application should not be made early in the morning. The surface temperature should be at least 3 °C higher than the dew point.

Do not apply on frozen, wet surfaces or on surfaces where rain is expected within 6-8 hours.

Do not apply as a waterproofing barrier on the negative side of a structure where hydrostatic pressure is possible

Surface Preparation:

The application surface should be clean and dry. The elements that prevent adhesion should be cleaned from the surface. Do not wash to clean the surface.

Dilatations on the surface should be insulated with the appropriate polyurethane based filler material and dilatation tape.

Sanding and polishing should be done according to the standards for corrosive areas in metal surface coatings.

Primer Application:

No need for priming before application on dry surfaces.

it is recommended to use a suitable primer with a moisture tolerant before applying on a damp concrete or wooden surface.



Shelf Life and Storage Conditions:

Polyurea components are moisture sensitive. Therefore, in original, unopened and undamaged packages, it is suitable for 6 months from date of production when stored correctly between +10 °C and +30 °C.

Products should be stored in dry and places where not having direct sunlight

Cleaning:

Clean all tools and application equipment with suitable cleaner solvent immediately after use. Hardened / cured material can only be cleaned by mechanical methods.

Warning and Suggestions:

B component of BC X5 Polyurea contains corrosive polyamines and component A isocyanates. Follow the instructions in SDS form before or after use or when a problem is encountered.
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Personal protective equipment and full face mask with appropriate filter should be used during application.

There must be sufficient air circulation in the application area.

Give empty barrels to authorised hazardous waste collector companies
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