01 / PRODUCT POSITIONING

N300 Product Positioning and Roof Waterproofing

N300 Polyaspartic Polyurea Waterproofing Coating

A+B | BASF aliphatic system. Confirm source by batch.

Core grade for long-term exposed concrete roofs and terraces.

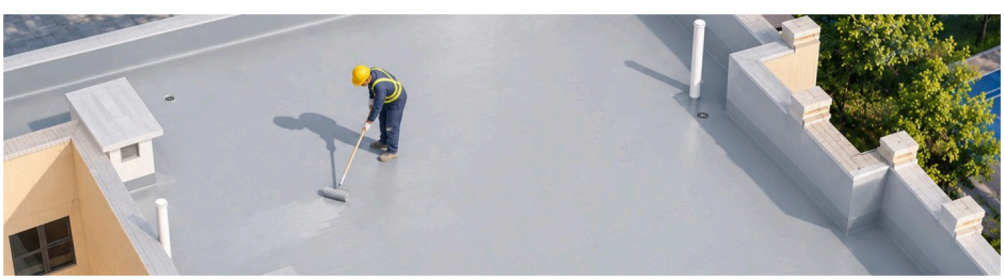
A two-component coating composed of aliphatic isocyanate prepolymer and polyaspartic ester resin focuses on flexibility, waterproofing, weather resistance and substrate adhesion in long-term outdoor exposure environments.



2 kg kit (A 1 kg + B 1 kg)



20 kg kit (A 10 kg + B 10 kg)



Roof waterproofing illustration. Color and finish depend on the project.

Core applications

Concrete roofs, terraces, long-term exposed waterproofing and coastal building protection.

For concrete roofs, tiled roofs and terraces, choose N300 for long-term weather resistance and N700 for standard weather resistance. Check substrate condition, drainage and details before application. Prepare tile surfaces and verify adhesion.

02 / TYPICAL TECHNICAL DATA

Typical technical data and scope

Parameter	N300 typical value or company requirement
Mix ratio	A:B = 1:1 by mass
Shore hardness	Shore A 86 (company value)
Application window	About 1 hour at 25°C. Confirm the recoat interval separately.
Total for all coats	1.3 kg/m²
Indicative thickness	About 1.2 mm
Tensile strength	⩾10 MPa (company requirement)
Elongation at break	⩾150% (company requirement)
Concrete adhesion	Verify on a concrete test patch.

Submitted specimens and test evidence	
Report TL26080331 gives results for the submitted specimens under the test conditions, without separate results by model.	
Tensile strength	13.00 MPa
Elongation at break	177%
Tear strength	42 kN/m
Adhesion	Concrete 4 MPa, tile 7 MPa, steel 5 MPa
Solids content	92.6%

Weathering data note

The 4000-hour artificial weathering resistance belongs to Gaodun laboratory’s continuous verification data and is not a TL26080331 third-party testing project;

N300 batch indicators are subject to TDS, COA and project confirmation data.

Terrace spray application

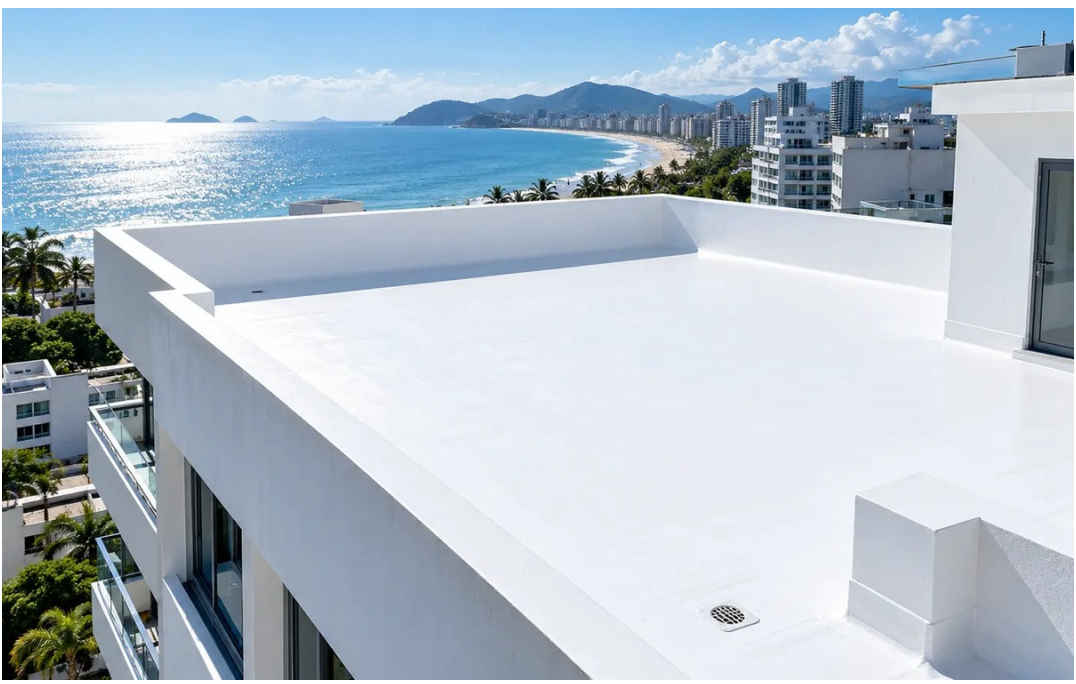


Application method illustration.

Application illustrations



Concrete roof terraces



Coastal-building roof terraces



Decorative villa-wall waterproofing



Clear waterproofing on stone



Tiled rooftop & terrace waterproofing



Clear exterior-wall waterproofing

Illustrations show applications or samples and do not constitute project-case or test evidence.

03 / APPLICATION & INSTALLATION

Application procedure

01 Substrate inspection

The base layer should be solid, dry, clean, free of oil stains, laitance, looseness, hollows and old coatings that affect adhesion.

02 Detail reinforcement

Cracks, internal and external corners, drainage outlets and overlapping parts should be repaired according to project conditions and treated with reinforcing layers.

03 Mixing Parts A and B

Components A and B are accurately weighed and mixed thoroughly according to the mass ratio of 1:1, and the batching amount matches the application time.

04 Successive coats and film formation

Apply 2-3 coats in alternating directions for even coverage. Apply each subsequent coat only when the previous coat meets the recoat conditions.

Application limits

Avoid persistently damp, enclosed spaces such as bathrooms and kitchens. Avoid applying N300 directly over untreated rubberized asphalt waterproofing. Test adhesion on tile, stone, metal and existing coatings before application.

The final effect is determined by base treatment, material ratio, construction dosage, film thickness, ambient temperature and humidity, and maintenance. On-site prototypes should be completed before large-scale construction.

04 / STORAGE, SAFETY & TRACEABILITY

Packaging, storage and safety

Packaging and storage

Store components A and B in original packaging in a cool, dry and ventilated place, away from moisture, direct sunlight and high temperatures. Packaging specifications, shelf life and storage temperature are subject to product labels and supply documents.

Safe handling

Wear protective gloves, goggles and appropriate respiratory protection when mixing and applying, and maintain ventilation. Components A and B are identified and managed separately; hazard, first aid, transportation and waste information are subject to the corresponding SDS.

Quality and verification

Color, viscosity, cure speed and mechanical properties may be adjusted based on formulation, batch, environmental and project requirements. Base assessment, adhesion tests and on-site samples should be completed before large-scale construction.

Technical support

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