N600 positioning and packaging

N600 Outdoor Weather-Resistant Polyaspartic Decorative Flake Flooring System

Weather-resistant decorative flake flooring

A two-component pigmented polyaspartic polyurea coating, coloured flakes and a clear weather-resistant topcoat provide a continuous, maintainable finish.



2 kg (A 1 kg + B 1 kg)



20 kg (A 10 kg + B 10 kg)

N600 coating only. Decorative flakes and N200 clear topcoat are supplied separately.



Decorative flake flooring in a garage and on an outdoor terrace

Core applications

Courtyards, rooftop terraces, outdoor walkways, commercial spaces and garage floors.

N600 primes the substrate and binds the flakes in the pigmented body coat. The complete finish also requires decorative flakes and the N200 clear topcoat. Confirm substrate, drainage and slip resistance for the project.

01A / APPLICATION SCENES

Villa garages and commercial floors



Private villa garage

Black, white and grey flakes



Automotive showroom

Black, white and grey flakes



Boutique retail space

Black, white and grey flakes



Automotive service workshop

Black, white and grey flakes

Application illustrations. Confirm color, flake size and coverage on a physical sample. For garages, verify substrate moisture, traffic loads, hot-tire contact, turning wear and slip resistance. Rooftops require separate primary waterproofing, drainage and detailing.

01B / APPLICATION SCENES

Rooftops and outdoor spaces



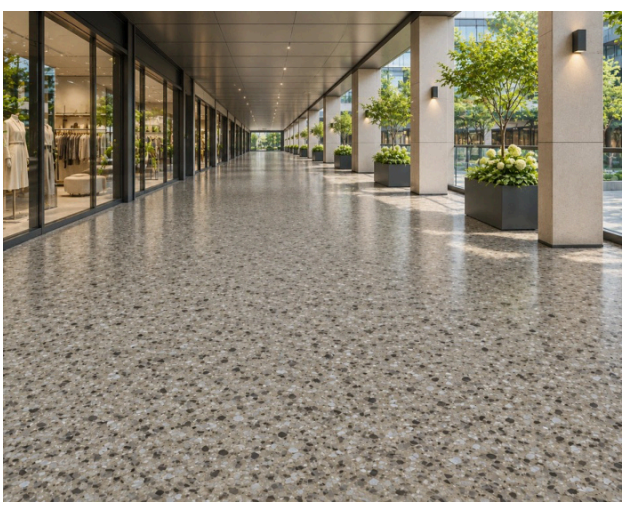
Office building terrace

Warm grey flakes



Rooftop terrace

Warm grey flakes



Commercial walkway

Warm grey flakes



Seaside balcony and terrace

Black, white and grey flakes

Application illustrations. Confirm color, flake size and coverage on a physical sample. For garages, verify substrate moisture, traffic loads, hot-tire contact, turning wear and slip resistance. Rooftops require separate primary waterproofing, drainage and detailing.

02 / TYPICAL TECHNICAL DATA

Technical data and evidence limits

Item	N600 technical data / requirements
Components and ratio	A:B = 1:1 by mass
Shore hardness	Shore A 86 (company technical value)
N600 primer coverage	Approx. 3–4 m² per 1 kg
N600 body-coat consumption	Approx. 0.6–1.0 kg/m²
Application working window	Approx. 1 hour at 25°C (reference)
Clear topcoat	N200 clear topcoat
Abrasion mass loss	8 mg (submitted-sample result)
System layers	N600 primer + N600 body coat with flakes + N200 clear topcoat

Part A is an aliphatic isocyanate. Part B is a polyaspartic ester resin.

The one-hour figure is a reference application window. Its starting point, pot life after mixing, recoat interval and time to traffic are not specified.

Evidence and test scope

Report TL26080331 lists N100–N700 under one sample name without separate results by model. Sample results include tensile strength 13.00 MPa, elongation at break 177% and abrasion mass loss 8 mg. The report also gives adhesion results on different substrates. Results apply only to the submitted sample and test conditions, not every flake combination, installed system or batch.

Confirm the color, texture, flake density, topcoat consumption and appearance on a site test patch. Refer to the batch COA and project confirmation for supplied properties.

03 / APPLICATION & INSTALLATION

Application and system design



01 Substrate and N600 primer	Check substrate strength, moisture, flatness and cracks. Repair, grind and clean the substrate, then prime with N600.
02 N600 pigmented body coat	Weigh N600 parts A and B at 1:1 by mass, mix and apply evenly to form the continuous pigmented coat that binds the flakes.
03 Decorative flakes	Broadcast flakes uniformly to match the approved sample. Once cured, remove loose flakes and level as needed.
04 N200 clear topcoat	Seal the flakes with N200 clear topcoat. Confirm consumption, texture, slip resistance and gloss on a site test patch.

Selection and application limits

Rooftop terraces require separate primary waterproofing, drainage and detailing. Assess N300 for long-term exposed weathering and N700 for general weathering. Verify compatibility between the waterproofing and N600 finish, then seal the flakes with N200.

For ramps, wet areas and public walkways, verify wet slip resistance, drainage, wear and maintenance. For garages and vehicle routes, assess substrate moisture, traffic frequency, vehicle loads, hot-tire contact and turning abrasion. Use a site test patch to verify adhesion, compatibility and slip resistance of the full system.

04 / STORAGE, SAFETY & TRACEABILITY

Storage, safety and traceability

Packaging and storage

Store both components sealed in their original containers in a cool, dry, ventilated place. Protect from moisture, sunlight and heat. Check the label and supply documents for shelf life, storage temperature and packaging.

Safe handling

Ventilate during mixing and application. Wear protective gloves, goggles and appropriate respiratory protection. Manage the two parts separately and consult each SDS for hazards, first aid, transport and disposal.

Quality and compatibility

Color, viscosity, cure speed and mechanical properties may vary with batch, conditions and project requirements. Assess the substrate, test adhesion and approve a site test patch before full application.

Sources and responsibility

N600 TDS: intended use, typical values and system requirements.

TL26080331: third-party report on submitted specimens.

Company verification: artificial weathering and formulation records.

Batch COA and project confirmation: supplied properties and project suitability.

Shenzhen Gaodun New Materials Co., Ltd.
+86 755 25100730 / +86 136-9222-9000
www.gao-dun.com