

Aliphatic polyurethane binder, specially formulated for stone carpet floor application



Description

GardenDEC® AL-2K Aliphatic polyurethane binder, specially formulated for stone carpet floor application which cures with the humidity in the atmosphere. It is 100% solids, low viscosity and hydrophobic with excellent adhesion for outdoor stone carpet application. It is fast curing and zero-toxic (zero V.O.C.). Excellent resistance to mechanical, chemical, thermal, UV, continuous water contact and extreme weather conditions.

Binder Color: (Comp. A dark brown) - (Comp. B transparent yellow)

Application: Recommended for dark colored stone, granules

The application requires mixing 6% of the binder weight of the product with colored quartz and marble granules. If the infrastructure requires waterproofing in stone carpet applications, PoreFILLER® P-1K should be applied under the stone carpet layer.

Important Features

- GardenDEC® AL-2K ideal for use in extremely cold weather
- Special formulated for the winter season
- Due to continuous water contact and rainwater, no lime or chlorine water stains occur
- Inhibits fungal and bacterial growth
- Highly Hydrophobic
- Highly sunlight resistance
- Odorless

Packaging Types

A Comp. 8kg

B Comp. 12kg

Pallet Description

A Comp.	8kg	60pcs X 8kg	Total 480kg
B Comp.	12kg	60pcs X 12kg	Total 720kg

Features / Benefits

- Solvent-less: Suitable for application in closed spaces
- UV resistance
- Highly hydrophobic
- Excellent mechanical properties
- Strong granule binder
- Outstanding resistance to chemicals
- Outstanding hydrolysis and oxidation resistance
- Absolutely non foaming
- Comfortable application
- Comfortable application

Application Areas

- Outdoor
- Car Parks and Garages
- Squares and Parks
- Areas with a lot of car traffic
- Driveways, Terraces, Pool Sides
- Paths and walkways
- Verandas and balconies
- Outdoor recreation areas
- Ideal for pathways
- Garage ramps
- Cycle paths
- Parking areas
- Pedestrian crossings
- Secondary roads

Technical Data

Potlife : ± 25 minutes (20 °C)	Mixing Ratio
Touch Drying Time : ± 2 hours (25 °C)	1/1,5 Ratio
Drying Time : 24 hours (25 °C)	(1000gr A + 1500gr B)
Walkable After : 8 hours	
Service Temperature : (-40 °C) - (+80 °C)	

Consumption

- Consumption 6% Weight of the dry granules.
- The exact ratio depends on the dust content of the granules.

Application Procedure

Clean the surface using a high pressure washer if possible.

Remove oil, grease and wax contaminants. cement laitance, loose particles, mould release agents, cured membranes must also be removed. The application surface must be dry.

Priming: Priming is required when application is on non-porous substrates, such as ceramic/glazed tiles. In this case, Primer-D 1K is used.

During the floor stone carpet application;

- For a more comfortable application, spray your trowel with a mixture of 20% glass cleaning water and 80% tap water.
- Clean your trowel frequently with Cellulosic thinner during the application phase.
- Application temperature range: +5°C to 40°C.
- Do not apply under rain or snow.
- Relative humidity must be no more than 85%.
- Try to eliminate the cured material on the walls of the mixing vessels.
- GardenDEC® AL-2K in a cool environment, avoiding exposure to direct sunlight make sure it stays under the shade provided

Technical Specifications

PROPERTY	UNITS, METHOD	COMPONENT A (isocyanates)	COMPONENT B (polyols & amines)
Viscosity (Brookfield)	cP, at 25 °C	200-300	1,500-3,000
Specific weight	gr/cm3	1.20-1.25	0.95-1.05
Colour	-	dark brown	Transparent yellow
Mixing ratio by weight	A : B, by weight	1 : 1.5	