

TECHNICAL DATA SHEET (version 08/2021)

Description

EG-4025 is a two-component poly aspartic system designed to maintain the integrity of concrete and other surfaces and give them an exceptional appearance. It has excellent mechanical properties and good resistance to reagents and solvents.

Advantages

- Excellent resistance to abrasion
 - Reacts at low temperatures
 - Excellent resistance to the proliferation of fungi and bacteria
 - Stable in continuous immersion in water at low temperatures
 - No VOC, thus allowing interior application without harmful odors
 - No particulate emissions (no phenol)
 - Excellent adhesive properties with concrete
 - Very easy to clean
 - Complies with CFIA & LEED 2009 standards
 - Resistant to UV rays
 - Resistant to yellowing and stains
 - Reagent resistant chemicals
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Application

Surface protection coating for:

- Food
- Beverage bottling
- Chemical
- Refineries
- Light materials
- Heavy equipment
- Pharmaceuticals
- Printing
- Pulp and paper factories
- Warehouses etc.
- Aircraft
- Car dealerships and maintenance facilities
- Pet stores and healthcare facilities
- Public and commercial buildings
- Schools and universities
- Hospitals, clinics and other healthcare facilities

EG-4025

POLY ASPARTIC

1-844-557-3729



BUILD TOGETHER

Application instructions

Concrete surfaces must be thoroughly cleaned. Remove all dust, dirt, films of existing paint, efflorescence, laitance, forms of oils, hydraulic or brake fluids, grease, rust, biological residues or any other contaminants. Prepare the surface by all appropriate mechanical means, either BLASTAC OR GRINDER. The pressure resistance of the substrate Concrete should be at least 25 Mpa (3625 lbs per square inch) at 28 days.

Preparation of the mixture

Pre-mix each component separately. Empty component B in the correct mixing ratio to component A. Mix the combined components for at least (2-5) minutes, using a low speed drill (300-450) to minimize air entrapment. During the mixing operation, scrape the sides and bottom of the container with a flat or straight trowel at least once, to ensure thorough mixing. When fully mixed, the color and consistency should be uniform. Mix only the amount that can be used during the pot life.

Application

Primer: Apply the first coat of EG-4025 using a squeegee or roller to obtain a uniform film thickness (0.10 to 0.15 mm) without the formation of puddles.

Top coat: Apply the top coat with a squeegee or roller to obtain a film thickness of 0.15 to 0.3 mm

Waiting time between coats and surface temperature

10°C	24 hours minimum	36 hours maximum
20°C	12 hours minimum	8 hours maximum
30°C	6 hours minimum	4 hours maximum

Caution

- Minimum concrete temperature: 10°C (10°F)
 - Maximum concrete temperature: 30°C (10°F)
 - Maximum relative humidity during application and curing: 85%.
 - The concrete temperature must be 3°C (5.5°F) above the measured dew point.
 - Substrate moisture content should be < 4% when coating is applied.
 - Do not apply to porous surfaces where moisture transmission may occur during application.
 - Avoid use on surfaces not at ground level.
 - Protect from moisture, condensation and contact with water during the initial 24 hour cure period.
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Technical Data

Packaged in sets of 18.9 L and 3.78 L
Custom color available upon request.
Coverage: 200 Sq Ft. /Gal.) (0.10 to 0.15 mm)

Shelf life 12 months in original unopened packaging stored dry between 5 and 32°C (41 and 89 °F). Product temperature should be between 18-30 °C before use.

Mixing ratio	A:B =	2:1 by volume
Service temperature	Min.	0 °C (32°F)
	Max.	50 °C (122°F)
Pot life 100g		25 – 30 minutes
Setting time (0.5-0.3 mm)		4 – 6 hours
Traffic		8 – 12 hours
Heavy		3 – 5 days
Properties at 25°C		
Specific gravity ASTM D1475	A:	0.99
	B:	1.17
	A+B:	1.05
Compressive strength ASTM D695		15,000 Psi
Tensile strength ASTM D638		8300 MPa
Adhesion ASTM D4541		> 300 psi
Hardness, shore D ASTM D2240		70 – 85
Abrasion resistance ASTM D4060		
Taber Abrader; CS17 / 1000 g (2.2 lbs)		0.050 g
Water Absorption ASTM D570		0.2 %

Cleaning

Clean all tools and equipment with acetone. Once cured, the product can only be removed mechanically.

Health and safety

For information and advice on the safe handling, storage and disposal of chemicals, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other security-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

The information given herein is mostly average, obtained under laboratory conditions. Therefore variations may be observed on site due to local factors. It is the responsibility of the user to determine the precise suitability and/or usefulness of the material. The potential risks and damages as well as expenses related directly or indirectly to the use of the product must be assessed by the user.