

TECHNICAL INFORMATION

DUROFAST 3MM

Epoxy Resin Floor Coating



505-26000-720

DESCRIPTION

Epoxy resin floor coating reinforced with quartz mineral aggregates. Two-part product, designed to cure over a rigid, monolithic floor. Easy to level, provides an excellent glossy finish on residential or industrial floors. Once cured, it forms a floor of excellent resistance to abrasion and chemical attacks.

USE

Highly recommended for chemical, pharmaceutical laboratories, food industry, clean rooms and other hospital uses, as it is totally aseptic (it does not promote bacteria growth). Apply only on concrete floors, where full leveling is possible. This product is not suitable to be applied where it is required to maintain some slope (drains, sanitary coves or others).

Structure	Floors
Exterior/Interior	Indoor, Outdoor
Surface	Concrete
Product line	Professional/industrial Line

CHARACTERISTICS

PHYSICAL PROPERTY	DATA
Volume Solids of the mix (%)	100%
Weight Solids of the mix (%)	100%
Weight per Gallon (kg/gal)	8.50 - 8.72
Fully cured	7 days
Drying Time (@ 25°C)	2 - 4 hours
Pot life (@ 25°C)	20 - 40 minutes
ASTM D2794-93 Impact test (lb/in)	20 psi
Taber Abraser Test (ASTM D 4060 - 01)	141 gr/1000 cycles
Barcol Hardness (B)	40 - 45
Pull-Off Strength (ASTM D4541)	>350 psi

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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Theoretical yield (@ 3mm thick)	1.45m ²
Performance Temperature (°C)	-10 to 55
Initial cure	72 h

Definition of theoretical yield: Maximum surface that can be covered with a coating under ideal conditions. Practical performance varies depending on type of surface, used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

PRESENTATION

AVAILABLE PRESENTATIONS

Component A:

1 gallon plastic can (3.785 Lt.)

2 gallons plastic can (7,57 Lt.)

Component B:

¼ gallon can (0.946 Lt.)

PRODUCT PREPARATION

COMPONENT	MIXING RATIOS	MIXING INSTRUCTIONS
Component A: 505-26000-720, DUROFAST 3MM	4 parts	First stir each component (A and B) in its own container.
Componente B: 505-26001-900, DUROFAST 3MM - Component B	1 parts	Then use an orbital mixer at low speed (400 - 600 rpm) to mix 4 parts of A with 1 part of B. DO NOT DILUTE.

Mix just the amount of product you are using in the next 45 minutes.

INDUCTION TIME: Not required.

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SURFACE PREPARATION

CONDITION

INSTRUCTION

Joint preparation:

Surfaces should be dry and free of dust, grease, oil or any other contaminant.

Joints properly sealed with **Fast Fill 250 (26250-920)**.

Surface should have a suitable anchoring pattern (20% roughness of the total film thickness).

Application method:

Apply **Tie Master Base (10350-920/10351-900)** on the surface with a roller and wait for at least some 40 minutes, until it's not tacky.

Humid Surface

In humid surfaces (under 90%), apply a coat of **Primario (Primer) WP 675 (505-00675-720)** before this finish.

PRODUCT APPLICATION

Application conditions

Do not apply on hot surfaces or directly exposed to the sun, the product will evaporate quickly and will affect leveling, adhesion and durability.

Do not apply when ambient humidity exceeds 85% or in a rainy day, because it would alter some characteristics of the application or the performance of the product.

This product, in the application stage, must not be directly exposed to sunrays, rain, strong winds or mist.

It should not be applied on surfaces where, due to water seepage, it flows freely, nor on concrete previously treated with another type of waterproofing or paint.

If the floor has control joints, construction joints or seams, they should be previously treated, before applying Durofast 3mm.

Do not apply to concrete floors that have previous coatings, or any sags, defects, cracks, or concrete dusting.

Application Instructions

Application on floors is done with a notched trowel, to ensure a uniform layer of material.

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Pour the required amount of properly catalyzed product on the floor and smooth out with a notched trowel.

Once the design level of this coating is reached, remove trapped air with a spike roller; and let it fully dry before open to traffic.

If necessary, it can be coated with a polyurethane, epoxy, or alkyd enamel for a better finish.

This should be done 18 to 30 hours after applying DUROFAST 3MM.

Do not use it in its hardening stage.

Do not apply over frozen, dusting, unstable or inconsistent surfaces.

OBSERVATIONS

- ✓ If you need more information, one of our technicians will assist you. Call 800-SUR-2000 or email us at customerservice@gruposur.com
- ✓ If you use more than one container, is better to mix them in advance.
- ✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.

HEALTH

- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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