

GLASSCOTE SOLUÇÃO O



Review – 00-07/2021

DESCRIPTION

GLASSCOTE SOLUÇÃO O – Componente A formulated with high performance Orthophthalic Polyester Resin, it presents high chemical, thermal and mechanical resistance to be used together with **GLASSCOTE PÓ - Componente C** and when catalyzed with Meko it forms a soft and uniform polymeric mortar, called **CAMADA BASE**, used in Monolithic Fiberglass Reinforced Coatings, Carbon Fibers or in Structural Repairs with Composite Material.

It has low VOC's emissions and complies with occupational health, safety, and environmental preservation requirements.

The **BASE LAYER** can be applied on several types of substrates and has physical-chemical characteristics similar to those of Orthophthalic Polyester Resin. It should be used in application processes of several laminated coatings, with the objective of equalizing the thermal expansion coefficients of the substrate to that of the anti-corrosive coating, in addition to shaping the irregularities of the substrate, allowing direct contact with the coating to be applied.

It is prepared with an innovative styrene suppression system, providing a healthy application environment, with less odor, reduced styrene emission, in compliance with the most demanding control levels for Occupational Health, environmental preservation, and safety of the applicators.

Formulated for use with glass or carbon fiber lamination, or other structural reinforcement materials, used in FRP, or Polymeric Composite lamination processes, when properly accelerated and catalyzed, forms a high performance polymeric matrix used in Monolithic Fiberglass Reinforced Coatings, Carbon Fibers, or Structural Repairs with Composite Material approved for direct contact with food, according to the resin manufacturer's technical literature.

APPLICATION INSTRUCTIONS

After applying the **SPECIFIC PRIMER**, a layer of **GLASSCOTE O - Components A+B+C** Polymeric Mortar is applied with a steel cutter and spatulas, with a thickness of 1.50 mm, as a base coat, and then the layers of glass fiber reinforcements and other layers of the coating system are applied using the lamination process.

GLASSCOTE O - Components A+B+C Polymeric Mortar can also be used as Finishing for Coating Systems, using brushes or sheep's wool rollers, soaked in a specific smoothing product, until the desired surface and roughness are obtained.

The thickness of the polymeric mortar can vary, according to the technical specification, and according to the level of mechanical resistance required, in accordance with the particularities and objectives of each project.

PRODUCT PROPERTIES

After mixing Components A+B+C at 25°C

Description	Value
Non-volatile content/ Solids, percentage (%)	Minimum 94.00
Specific weight / Density, grams/cm ³	1.80 to 2.00
Gel Time mix at 25° C, minutes	20 to 30
Color, visual	Gray

7 day cured at 25°C

Description	Value
Barcol Hardness - 7 day cure	Minimum 30
Tensile Strength, MPa	90
Tensile Modulus, MPa	4,800
Flexural Strength, MPa	130
Modulus of Flexural Strength, MPa	4,900
Elongation at Break, %.	4.50
Temperature Heat Distortion HDT, °C	70

PACKAGING INFORMATION

MIXING RATIO AND QUANTITIES

Description	MixingRatio	Package Information	
		Gallon 3.60 lts	Pail 18 lts
Glasscote Solução O – Component A	35.00 parts	Gallon 4.10 kg	Pail 20.50 kg
Catalisador M50 – Component B	1.30 to 1.80 % on Component A	Jar 60,00 grams	Jar 370,00grams
Glasscote Pó – Component C	65.00 parts	Bag 30 Kg	Bag 30 kg

CONSUMPTION ESTIMATION

GLASSCOTE O consumption may vary according to the applicator's experience, substrate roughness, type of application as given below considering no losses;

Description	Quantity
Glasscote Solução O – Component A	1.20 kg/m ²
Catalisador M50 – Component B	24 grams/m ²
Glasscote Po – Component C	2.00 kg/m ²

Good construction practice recommends adding a percentage of 10% to compensate any possible losses.

ADDITIONAL INFORMATION

The useful life time after mixing Components A+B+C varies according to the ambient temperature of the place of use and application. After catalyzing the mortar portion of **GLASSCOTE SOLUÇÃO O**, there is a Gel Time of 20 to 30 minutes to complete the work step of applying the Base Layer.

Temperature above 25° C, reduces the shelf life of the A+B+C Components mixture.

Temperature below 25° C, prolongs the shelf life of of the A+B+C Components mixture,

To clean the equipment, use **RESILIMP** cleaning solvent.

GLASSCOTE O – Componentes A, B e C must be stored in a covered, ventilated and dry place, on pallets and at at temperature lower than 30°C, considering it is a flammable product.

Do not allow smoking, exposing open flames, weldings or services that can cause sparks near the workplace and storage.

The shelf life is 03 months for Component A, 12 months for Component B and 05 years for Component C after the manufacturing date, provided they are stored as recommended and in their original packaging.

For your safety, handle the ingredients carefully and use PPE. Observe the precautions and recommendations indicated in the MSDS. Direct contact can cause skin and eye irritation. If this occurs, wash the affected area immediately with plenty of water and seek medical advice immediately.

For further information, we recommend contacting Resinar Materiais Compostos Ltda's technical and/or commercial department, which will provide more information on use, application, and technical literature.

COMPLEMENTARY INFORMATION AND TECHNICAL ASSISTANCE

Resinar Materiais Compostos Ltda

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