

Glasst 3x1 Release Agent

This is a Low VOC ecological release agent, based on **GlasstMould®**. It is a product that must be diluted in water, has high performance, and prevents concrete adherence to all types of formworks. It forms a moisture barrier for good concrete curing.



Uses:

It is ideal to use in short formwork cycle formwork, and is a high performance product.

Application surfaces:

- Metal forms.
- Wooden forms.
- Plastic forms.
- Prefabricated elements.
- Plates and slabs.

Advantages and benefits:

- Optimum finishes.
- Higher performance.
- Biodegradable in a high percentage.
- Low odor.
- Zero VOC.
- It takes care of the environment and people's health.

This product is made from **GlasstMould®**, a material developed by **Glasst Innovation Company S.A.S.**

Technical Specifications:

Property	Value	Unit
Consistency	Oily	-
Color	Amber	-
Evaporation Resistance	Optima	-
Dilution	Dilute up to 3 parts of water to 1 part of - concentrated product. Can be used as 2x1 and 1x1.	-
Density	112 ± 0,03	Oz / Gal
GlastMold® Viscosity	< 20	KU
Viscosity	50 ± 10	KU
Volatile Organic Compound Content (VOC)	≤ 1,72	g/L
%VOC	≤ 0,1%	%g/L

- The methods used to evaluate the properties recorded in this data sheet are defined based on standard norms. If you need to consult them, please contact Glasst's quality department.
 - The values shown are typical of the product and may present variations. On-site performance will depend on application methods and job site conditions.
- ***VOC levels are classified according to The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.

Application tools:

- Brush
- Roller

Presentation:

Packaging	Kg
Drum	180
Pail	20

Consumption:

Type of Formwork	Consumption* m ² / L
Metallic	15 – 18 m ² /L
Wood	13 – 15 m ² /L
Phenolic	15 – 18 m ² /L

- These values are theoretical, and it is recommended to carry out previous tests on site since the yields can vary depending on the roughness of the surface, method, and application tool.
- For the calculation of performance, product losses or wastage, tool absorption, and surface porosity should be taken into account. A correct application will guarantee better performance.

*The performance of the 3x1 release agent will increase in the proportion in which you dilute the product correctly. This reference can be diluted up to a ratio of 1 unit of measure of product per 3 units of water.

Instructions for use and application

1. Surface preparation:

Ensure that the formwork is clean, dry, free of dust, oil and other contaminants, especially old concrete and release agent residues from previous applications. If metal, forms should be dry and free of rust.

2. Preparation of the product:

The product can be diluted up to 3 parts water to 1 part concentrated product. It can be used as 2x1 and 1x1.

Before applying or removing the product from its original packaging make sure it is homogenized.

Incorporate the diluted mixture until you obtain a uniform consistency.

After preparing the dilution, apply the product in the shortest possible time.***

3. Application of the product:

Apply the product with a roller or brush in a layer that completely covers the surface of the formwork avoiding excesses that generate waste. In wood formwork apply an additional coat, covering all the pores. Clean the application tools for later use.

- To see the correct way of use and application of the product see the Mold Release Brochure document.
- Product performance and evaporation time will depend on the environmental conditions in which it is applied.

*** The duration of the diluted product will depend on the quality of the water used.

Product stability and storage:

The stability of the product in the original closed container is 18 months from the date of manufacture. It should be stored in a dry place, protected from the sun and without sudden temperature changes between entre 5°C y 45°C.

For stowage and storage, take into account:

Presentation	Max. of layers per stowage
Drum	2
Pail	3

- The maximum stacking of palletized pallets is 1 level.
- Plastic containers do not withstand falls from heights greater than their stowage, i.e. approximately 39 ft.
- Keep the container tightly covered when the product is not in use. Store the product

in the original closed container, in an indoor, dry place, away from heat sources.

Health and safety recommendations:



The release agent disintegrates completely 28 days after stripping; therefore, avoid applying finishes before this time.

- Avoid excessive application of the product.
- If there is any separation of the diluted product, shake vigorously before use.
- Keep out of the reach of children.
- Keep the product away from heat, flames and sources of ignition.
- Always wear appropriate personal protective equipment when handling the product: goggles, rubber gloves and long sleeves.
- Do not eat, drink or smoke while handling the product.

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- Protect the product by keeping it in its original container and covered, without the presence of foreign elements.

Safety information:

For information and recommendations on transportation, handling, storage and disposal of chemicals, please refer to the MSDS.

Legal Notes:

All information contained in this data sheet is provided in good faith, based on Glasst's current knowledge and experience with products that have been properly stored, handled and applied under normal conditions in accordance with Glasst's recommendations. It does not constitute an

express or implied warranty as to the performance of the product because conditions of use, surface preparation, application and storage are beyond our control. Using this product in applications and/or conditions different from those expressed in this technical data sheet is at the risk of the purchaser, applicator and/or user.

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