

reslin[®]

100% biodegradable
linseed oil resin



How does Reslin[®] work?

1



Weighing the correct ratio

For optimal results, it is essential to respect the correct ratio of Reslin® activator to Reslin® oil. The proportion is 1 part Reslin® activator to 2 parts Reslin® oil, so always one quantity activator for two quantities of oil.

How the weighing by mold works:

- Without additives (or just dye)

- o First weigh out the amount of water that will fit in your mold (in grams).
- o Divide this weight by 3 to determine the appropriate amounts of Reslin® activator & Reslin® oil:
 - 1 part Reslin®-activator (1/3 of the total weight)
 - 2 parts Reslin®-oil (2/3 of the total weight)

For example:

Suppose your mold can hold 300g of water

--> $300g \div 3 = 100g$ Reslin® activator and 200g Reslin® oil.

So weigh 100g Reslin® activator and 200g Reslin® oil.

- With GlassRoxx®:

- o Weigh first the amount of water that fits in your mold (in grams).
- o Double the weight of the water to determine the total weight
- o 70% of this weight is for GlassRoxx®, and 30% of this gross weight is for Reslin® (of which 1 part Reslin® activator and 2 parts Reslin® oil).

For example:

Suppose your mold can hold 300g of water. Double the weight of the water:

--> $300g \times 2 = 600g$ of total weight.

- 70% of the total weight is for GlassRoxx®: $600g \times 70\% = 420g$ GlassRoxx®
 - 30% of the total weight is for Reslin®: $600g \times 30\% = 180g$ Reslin® (of which 1 part activator and 2 parts oil) = 60g Reslin® activator and 120g Reslin® oil.
- So weigh 420g GlassRoxx®, 60g Reslin® activator and 120g Reslin® oil.

These precise proportions ensure proper mixing and a perfect end result.



2



Preparing the Reslin®-components

For optimal results, it's important to bring the Reslin®-activator and the Reslin®-oil to the right temperature. Warm both components in an oven during 20 minutes at 60°C (140°F). Never use a microwave oven for this!

Note! If you use GlassRoxx of Reslin®-glassbeads in your creation, it is best you place them also briefly in the oven. This prevents cooling the mixture too quickly, which can make processing difficult.



3



Mixing

Use a thermometer to check that the components have reached the correct temperature for optimal results.

Stir the mixture carefully for several minutes, until no dark discoloration of the activator is visible. Poorly mixed Reslin® can cause weak spots in your object later, so take your time with this.

Tip: Pour the Reslin® oil into the Reslin® activator to facilitate mixing.

Do you want to add additional effects? In this stage you can add additives to the Reslin®-mixture like: GlassRoxx®, Mica, Jesmonite terrazzo, natural materials (a.o. coffee, herbs or other creative adds),... Be careful not to use water-based (acrylic) additives. These will not work since Reslin® has oil as its main ingredient.

Once the mixture is completely homogeneous, you have about 15 minutes to pour your object and add the desired effects.



4



Mold filling

Depending on the composition of your Reslin® mixture, follow these steps:

1. Without additives (or just dye): pour the Reslin®-mixture directly into the mold
2. With GlassRoxx® or other additives: push the materials carefully into the mold with a stick or spatula.

After filling the mold, let the mixture rest for 20 minutes before placing it in the oven.



5



Heating the object in two phases

o First phase (90°C / 200°F):

Place your object in a convection oven and warm for 20 minutes at 90°C (200°F). A regular oven can be used as well, but a convection oven distributes the heat more efficiently. Set a timer for 20 minutes.

o Second phase (120°C / 250°F):

After the first phase, increase the temperature to 120°C (250°F) without turning off or opening the oven. Set the timer again for 20 minutes.



6



Cooling & de-molding

After the second phase of heating, you can immediately proceed with cooling the object. There are two options:

1. **Cooling off in the air:**
you can wait for the object to cool down, but this can take several hours. Be careful, because Reslin® stays warm longer in the core of the product. The object can feel cold at the surface, but still can be hot on the inside. Make sure you don't burn yourself.
2. **Fast cooling:**
faster way to cool the object is to place the mold in cold water. Make sure the object is no longer hot inside before removing it from the mold.

It still takes about 12 hours before your Reslin® object is fully hardened and ready to use.



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