

# TRANSLUX D 150

## AQUA PRESTIGE



- ✓ **Crystal Clear resin**
- ✓ **Simple to hand cast**
- ✓ **Good UV stability**
- ✓ **Easy pigmentation**
- ✓ **Perfect matching of other pigmented liquids like wine, coffee etc...**

## **TRANSLUX D 150** **Transparent Resin**

### **Crystal Clear Resin, ideal for Water simulation**

Product developed to produce transparent decorative items in transparent containers.

No specific equipment required for the resin processing.

### **PROPERTIES**

- ✦ Good UV stability
- ✦ Stable optical properties after hardening
- ✦ No stress applied on glass containers with change of temperature.
- ✦ Compatibility for inclusion of all types of materials
- ✦ Self degassing
- ✦ Possible to cast up to 2 litres in one operation
- ✦ Final hardness: 80 A SHORE
- ✦ Mixing ratio: 100/100 by volume
- ✦ Low viscosity : 250 mPa.s
- ✦ No yellowing during hardening stage due to the very low exothermic reaction
  - ✦ Stable during storage, no crystallisation.
  - ✦ Stable after complete hardening.
  - ✦ Product adheres to the walls of the container.



**For further information and technical data sheets go to [www.axson.com](http://www.axson.com)**

## **TRANSLUX D 150** **Transparent Resin**

### **General observations before casting:**

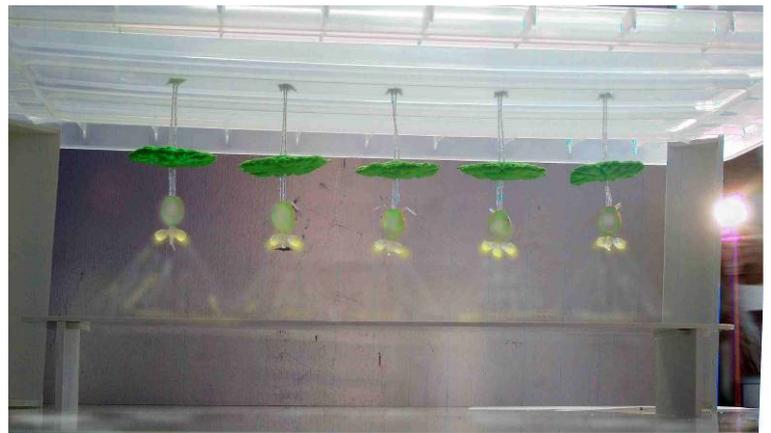
✦ Resin compatibility with almost all materials, with containers like : standard glass, cristal, pyrex, clear PVC / polycarbonate, PMMA, as well as contents (items will be included) ; vegetable items, minerals, ceramic, metal.

✦ User friendly for hand mixing and casting.

✦ Very long pot life of 6 hours for 10 Kg mixes allows customers to prepare in advance a large volume of resin, especially for successive castings of small parts.

✦ To be able to make modifications during resin process.

✦ Be sure of self degassing of the mixed resin.



### **Casting observations:**

✦ This low viscosity resin results in a perfect impregnation, fills all the gaps during casting of the container. Complete and homogeneous filling without any porosity.

✦ Low and progressive curing process to reduce the stress.

✦ Allows an object to be placed in the middle of the resin without any contact with the walls, with a successive casting to totally encapsulate object.

✦ The high quality of transparency of TRANSLUX D150 allows casting in a few layers, it's almost impossible to see the different layers after hardening.

## TRANSLUX D 150

### Observations after hardening:

After hardening the resin adheres perfectly to the walls of the container and promotes a homogenous liquid like aspect .

Any possible bubbles, created from contact with some materials accentuate illusion of fresh flowers immersed in water.

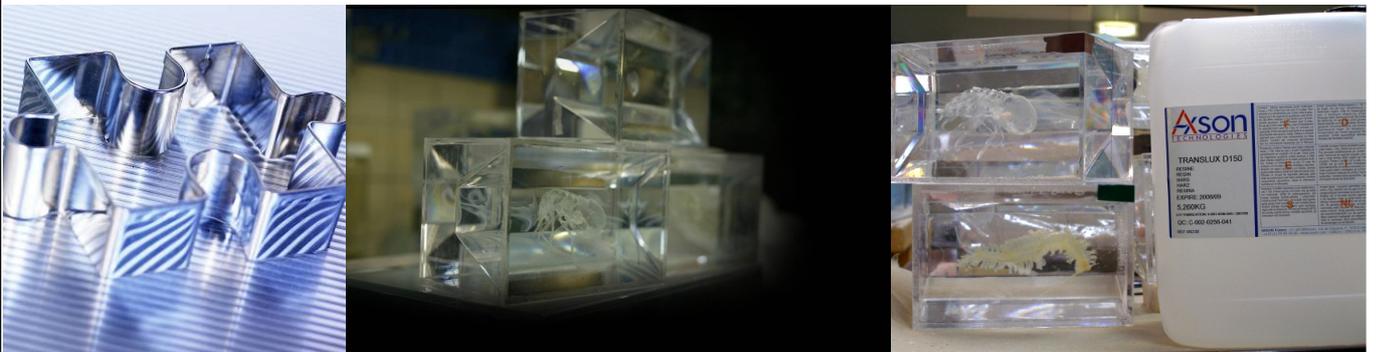


### Special effects :

To achieve other liquid aspects, like beverages (wine, tea coffee) it's possible to colour the D150 with liquid mineral colorants.

### Process:(part1)

- ✦ Determine the exact volume of the container information into which the resin will be cast.
- ✦ Measure the resin and the hardener volume (1/2 of the total volume for each component).
- ✦ Use preferably clear polyethylene containers with a scale in cm<sup>3</sup>.
- ✦ Mix carefully with a large plastic spatula . Avoid using electric mixers which creates too many bubbles.
- ✦ Leave the mix to stand until bubbles disappear.



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## TRANSLUX D 150

### Process: (part 2)

- ✦ Either pour directly the resin in the container and place after the decorative items.
- ✦ Or you place first one part of the decorative elements to the bottom of the container (gravels, coloured granules, decorative stones, etc...)
- ✦ Pour the resin slowly to ensure a perfect filling, then arrange the rest of the decoration (artificial flowers, vegetables, etc...).



- ✦ Do not handle during curing stage (wait for 48h), because you take the risk of creating waves on the resin surface.

- ✦ After 72h, the filled container is ready to be packed or ready to place in situation .

### Advice:

- ✦ An excessive level of moisture could disrupt hardening, prior to casting, cover fresh vegetables with a varnish.
- ✦ Regarding some natural materials, any with a thin powdery surface could generate a translucent aspect.
- ✦ In case of doubt, always test trial.
- ✦ Contamination effects come at the end of curing, so it's necessary to wait for at least 48 h before analysing for compatibility.
- ✦ Never expose directly to high power light, or close to a heater. Minute yellowing is expected during ageing and corresponds to the normal characteristics of this type of resin .

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## TRANSLUX D 150

★ **Tips :**

- ✦ Resin density is a little bit higher than the density of water, due to this property a low density object could float on the surface .
- ✦ It 's possible to use superglue or removable spray adhesive to block all elements together in the container before casting TRANSLUX D150,
- ✦ In case of casting level with the edge of a container, it is better to add a second level after the main casting has cured.
- ✦ In this way you get a flat surface similar to a liquid surface. This surface casting should be done with a different mixing ratio (100/75) to ensure an harder surface insensitive to dust and environmental pollution.



**How to clean the resin surface to remove dust and finger prints :**

- ✦ Use only water and soap, clean with a sponge, rinse and dry with a soft rag.
- ✦ Never use alcohol, liquid glass cleaner or solvents (acetone) to avoid the risk of losing optical quality of the surface.

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## TRANSLUX D 150

Allow your imagination to run free  
**TRANSLUX D150...**



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