

AQUAPOX

SR 8500 / SD 2324

Food grade epoxy system

With an accurate mixing ratio and post-cured @ 40°C, SR 8500 / SD 2324 is chemically stable regarding food and water. This system is design for food products , water tanks, aquarium, swimming-pools, floor...

Description

- Non modified and crystallisation free epoxy resin
- High chemical and mechanical resistance
- Average viscosity allowing coating, laminating and bonding application
- Low toxicity for inhalation and skin contact
- Excellent food grade characteristics
- Odourless after post-cure
- Excellent adhesion on all type of substrates

Properties

		SR 8500	SD 2324	SR 8500 / SD 2324
Aspect / colour		Yellow liquid	Colourless liquid	Light yellow liquid
Viscosity	@ 20°C	13000 ± 500	800 ± 50	5200 ± 500
	@ 25°C	4500 ± 500	400 ± 50	2000 ± 500
Density	@ 20°C	1.176	1.03	1.10
Storage		2 years, crystallisation free	2 years	

Mixing ratio of SR 8500 / SD 2324

By weight	100g / 67g
By volume	100ml / 75ml

Reactivity

Pot-life on 500 g mix	@ 20°C	52'
	@ 25°C	30'
Time « dry to touch »	@ 20°C	2 h 45'
	@ 25°C	2 h 20'
Time « set to touch »	@ 20°C	4 h 45'
	@ 25°C	3 h 20'



Mechanical properties of cast resin

Product	Modulus of elasticity	Maximum tension resistance N/mm ²	Maximum flexion resistance N/mm ²	Charpy impact strength KJ/m ²
AQUAPOX SR 8500/ SD 2324	2300-2400	42-49	65-73	32-39

Applications

- Elaboration of scenery in foam (polystyrene, polyurethane or PVC foam), by coating and then sand powdering.
- Building, laminating, waterproofing of aquarium, terrarium in wood.
- Building of indoors fountains or pools.
- Laminating with glass fabrics for :
 - Reinforcement of the scenery in foams, over hanging area, ark, tunnel
 - water tanks for boat.
- Bonding of natural elements, stones, roots...(add thixotropic agent)
- Coating of roots, bamboo, soft stone...
- Mix with pebbles or small stones to increase weight.
- Coating of element being cleaned with Javelle water, for the fish-culture.

Safety data

Products	Labels	Danger	Risk phrases
SR 8500		Xi: Irritating	R 36/38: irritating for the eyes and skin R 43: May cause sensitisation by skin contact
SD 2324		C: Corrosive	R 20 :Harmful by inhalation R 34 : causes burns R 43: May cause sensitisation by skin contact

EEC Classification 67 / 548 / EEC Directive

Workshop conditions

- Ambient temperature between 18°C and 30°C.
- Hygrometry under 80%.
- If possible, sheltered from the U.V.
- Work in a ventilated place or wear a breathing mask.
- Wear gloves.

Mixing instructions

Quantity determination can be by weight (scale +/- 1g) or by volume (graduated container, syringes). Close the container after use to preserve the whole physico-chemical properties of the components.

Mix the two components thoroughly.

Pour into a large and open container which is dry and clean. The results obtained are directly subject to the precision and the care given to the quantity determination and mixing operations.

Tool cleaning: **MEK**, Xylene, **EP 217** or Acetone.

Surface preparation

- Wood : Sanding, cleaning.
- foam : Brush or blow off dust.
- glass : Degreasing, aggressive sanding.

Overcoating

The overcoating, or secondary bonding, must be done when the resin is just dry to touch, or after sanding if this phase is passed.

The informations that we give by writing or verbally, in the context of our technical assistance and our trials, do not engage our responsibility. We advice the users of SICOMIN's epoxy system, to verify by some practical trials if our products are suitable for the envisaged processes and applications. The use, the implementation and the transformation of the supplied products, are not under our control and your responsibility only will respond for it. If our responsibility should nevertheless be involved, it would be, for all the damages, limited to the value of the goods supplied by us and implement by you. We guaranty the non-reproachable quality of our products, in the general context of sales and delivery.