

Description

Epoxy foaming system SV-020 is composed of four components: component A-epoxy resin, component B-hardener, component C-foaming agent, component D- additive. Epoxy foaming system is intended mainly for laminate manufacturing. It can be applied separately or combined with other foams used as sandwich core, such as expanded polystyrene, polyurethane foam, PVC foam or acrylic foam.

Application

Epoxy foaming system can be applied for production of:

- sailboards, boats and sport equipment
 - aircraft parts
 - in automotive industry and parts for bus production
- Foaming system can be applied either manually or by automatic device.

Technical data**A. Resin**

Properties of uncured resin

Property	Norm (method)	Characteristic
Visual aspect		viscosity liquid, transparent
Density at 20°C	ISO 1675/CSN 656 199	1,05 ± 0,014 g/cm ³
Viscosity at 25°C	method cone-board	9-13 Pa.s

B. Hardener

Properties of hardener

Property	Norm (method)	Characteristic
Visual aspect		yellowish viscosity liquid
Viscosity at 25°C	method cone-board	10-14 Pa.s
Density at 20°C	ISO 1675/CSN 656 199	1,16 ± 0,01 g/cm ³

Processing

Mixing ratio of resin and hardener components is 100:50. The ratio of dose-additive for resin are from 100:1 to 100:3. Degree of foaming is affected by many factors, so there is recommended measuring of foaming agent for each kind of product and testing. In case when this system is combined with polystyrene gelcoat, the first there is necessary to do adhesiveness test. Unsuitable combination can cause disjunction from gelcoat or possibly can cause bubbles and clefts. Epoxy foaming system pot life is (100g at 20°C) approximately from 30 to 40 minutes and depends on quantity and temperature.

Curing time: 24 hours at 20°C – 90% strength
 48 hours at 20°C – 95% strength
 5 days at 20°C – 100% strength

Properties of the cured foam:

Density of the foam (g/cm ³)	0,20	0,3
Resistance to bending (N/mm ²)	2,5-3,5	5-7



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TECHNICAL DATA SHEET

Packing

Components are packaged separately in 20kg tin boxes and 200kg drums.

Storage

Six months in a closed container at the temperature from 20-25°C at dry place.

Safety during processing:

see Safety sheet

Producer and Supplier:

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