

## Epoxy foaming systems

Foaming systems Letoxit SV 060 and Letoxit SV 020 consist of three components: A-epoxy resin, B-hardener and C-foaming agent. Foaming system Letoxit SV 051 consists of four components, A-epoxy resin, B-hardener, C-foaming agent and D-additive.

A foam film adhesive VFL 120 is used in particular combined with film structural adhesive, mainly for adhesive bonding with an irregular or big gap, for simultaneous setting and gluing of free ends in an assembly, for filling and sealing of free space, etc.

Epoxy foaming systems are intended mainly for laminate manufacturing. It can be applied separately or it can be combined with other foams used as sandwich component, such as expanded polystyrene, polyurethane foam, PVC foam or acrylic foam.

Letoxit SV 060 is not suitable for applications, which are in contact with food, potable water and for toys production.

Properties of the epoxy systems can be found in the following table.

System	Pot life min (at 20°C, 100 g)	Foam density g/cm <sup>3</sup>	Foam flexural strength N/mm <sup>2</sup>	Curing cycle
SV 060	50-60	0.20	3.0-3.5	24 h at 20°C + 1 h at 60°C 2 h at 60°C
		0.30	6.0-6.5	
SV 020	30-40	0.20	2.5-3.5	24 h at 20°C (reaches 90% strength) 48 h at 20°C (95%) 5 days at 20°C (100%)
		0.30	5.0-7.0	
SV 051	10-15			30 min at 60°C
VFL 120	3 weeks			60 min at 120°C



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