

Basis	casting foam
Resin	PU 60 FR Comp. A (Polyole)
Hardener	PUR 50 Comp. B (Iso)
Colour	dark-grey

Applications

- Insulation
- Lightweight panels
- Multi-layer constructions

Properties

- well workable
- minimum flue gas emissions
- good mechanics
- self-extinguishing

Processing data

Product		Mixture PU 60 FR / PUR 50	Resin PU 60 FR Comp. A (Polyole)	Hardener PUR 50 Comp. B (Iso)
Colour		dark-grey	grey	brown transparent
Mixing ratio	p. b. w.		100	49
	volume		100	50
Viscosity at 25°C	mPas	n.a.	ca. 24000	100 - 150
Density at 20°C	g / cm ³	n.a.	1,25 - 1,35	1,22 - 1,24

Physical data

Properties	Inspect. requirem.	Unit	Value
Density (allowed to foam)	g/dm ³	10	55 - 80
Compressive strength (10 % compression)	MPa	112	0,12 - 0,18
Heat resistance (HDT) (modified test specimen)	DIN EN ISO 75 B	°C	approx. 90

Sales units (packages)

PU 60 FR / PUR 50 0,300 kg-Kit

Processing instructions

The material and processing temperature should be between 18 and 25 °C. After use, the containers must be closed again.

Component A contains fillers that tend to settle.

Component A must be stirred well before processing.

Avoid foaming when stirring.

Excessive stirring ("dispersing") can irreversibly damage the material.

Machine tanks must be equipped with agitators that prevent the fillers from settling. Settling in pipes is to be prevented by suitable recirculation.

The system can be cast by hand or by machine.

The mixing ratio of resin and hardener must be observed as specified.

Typical reaction data:

Start time (beginning of expansion): approx. 20 sec.

Setting time: approx. 2 - 3 min

Tack-free time: approx. 4 min

Rise time including holding time (expansion time): approx. 3 - 5 min.

The foaming tools must be preheated (55 - 65 °C).

Demoulding from the molds is possible after approx. 30 minutes.

Optimum material properties are achieved by subsequent heat treatment of the molded parts. Material residues on stirring rods etc. can easily be cleaned with our clear cleaning agent ebaclean.

In General

The product is an polyurethane system.

Storing

Storage at room temperature 18-25 °C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Shelf life is indicated on the labels.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices !

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

In case of further questions please do not hesitate to contact our Department for Product Safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.