

PRODUCT DATA SHEET

TRANSLUX D155-1

EPOXY RESIN FOR HIGH TRANSPARENT SURFACE COATINGS
HARDNESS SHORE D87

APPLICATIONS

- Crystal-clear epoxy resin for high transparent surface coatings, also for applications in art and deco

MAIN PROPERTIES

- Easy processing
- Mixing ratio by volume 2:1
- Highly transparent
- Doming-Effect (for labels etc.)
- Sticks to many materials, e.g. as wood, ceramics, plastic, paper
- Coating thickness 1 – 3 mm

DESCRIPTION

Basis	Two component epoxy casting resin
Component A	TRANSLUX D155-1 , epoxy resin, bluish transparent
Component B	TRANSLUX D155 , amine, transparent

PHYSICAL PROPERTIES

			Resin (A)	Hardener (B)
Components			TRANSLUX D155-1	TRANSLUX D155
Viscosity, 25 °C	BROOKFIELD LVT	mPa.s	2600	800
Density, 25 °C	ISO 1675	g/cm ³	1.17	1.00
Mixing ratio	by weight		100	43
	by volume at 25 °C		100	50
Colour			Mixture transparent	
Viscosity, 25 °C	BROOKFIELD LVT	mPa.s	1500	
Pot life, 25 °C, 143 g	Gel Timer TECAM	min	42	

MECHANICAL, THERMAL AND SPECIFIC PROPERTIES AT 23 °C*

Density, 23 °C	ISO 2781	g/cm ³	1,15	
Tack-free time (1 – 3 mm), 20 °C			h	4-5
Hardness		ISO 868	Shore D1 / D15	87 / 85
Glass transition temperature (T _g)		ISO 11359	°C	64

* Values after 16 hours curing at 80 °C

PACKAGING UNITS

- Resin (A), **TRANSLUX D155-1** 5.0 kg
- Hardener (B), **TRANSLUX D155** 2.15 kg

PROCESSING DATA

- Processing should take place at room temperature (20 – 25 °C).
- Weigh the components exactly while maintaining the mixing ratio.
- Make a homogeneous mixture, either by manual stirring or by dosing with a static-dynamic mixer.
- Curing at least 7 – 8 h at room temperature. This curing time varies depending on the application thickness and ambient temperature.

NOTE:

Possible air bubbles on the surface can be brought to dissolution with a hot air gun, for example, as long as the product is still liquid.

ATTENTION: When curing epoxy resins, depending on the mixing quantity and accelerator content, exothermic reactions occur. Please test this in advance before mixing larger quantities.

STORAGE CONDITIONS

Shelf life	■ Resin (A), TRANSLUX D155-1	12 months
	■ Hardener (B), TRANSLUX D155	12 months
Storage temperature	■ Resin (A), TRANSLUX D155-1	15 – 25 °C
	■ Hardener (B), TRANSLUX D155	15 – 25 °C
Opened packagings	■ Containers must be closed tightly immediately after use to prevent moisture ingress.	
	■ The residual material needs to be used up as soon as possible.	

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Advanced Resins. Copies of the following publications are available on request: Safety Data Sheets

BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTICE

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