BUILDING TRUST

PRODUCT DATA SHEET

EASYMAX ISOCYANATE / EASYMAX-R POLYOL

POLYURETHANE PUTTY

FAST SETTING – ODOR FREE – SANDABLE – LOW DENSITY

DESCRIPTION

Repairs, filling and bonding of low density machinable slabs,

Fillets,

Splinning of surfaces on any material.

PROPERTIES

- Easy mixing ratio 100 :100
- Easy to mix and to apply with a spatula
- Fast setting; sanding after 20 min at 25°C
- Can be applied on metal, wood, Composites, PU or Polyester foams….
- Very smooth grain after sanding
- Low density
- Almost no shrinkage (< 0.01% on 10 mm thick sample)
- Odour free, not flammable
- Can be applied at temperatures from 0°C to 60°C

PHYSICAL PROPERTIES

Composition	POLYOL	ISOCYANATE	MIX	METHOD
Mix ratio by weight	100	100		
Mix ratio by volume at 25 °C	100	100		
Aspect	Pasty	Pasty	Pasty	
Colour	Grey Brown Beige	Beige	Grey Brown Beige	
Density at 25 °C (KP)	0.67	0.69	-	LT-020
Density of cured product at 23 °C	-	-	0.68	ISO 2781
Pot life at 25°C on 40g (KP) (min)			3 min 20 s	LT-002

(KP) Key properties. These values are enclosed in Certificate of Analysis.

SPECIFIC PROPERTIES at 23 °C (1)

Hardness	(Shore D)	64	ISO 868
Application temperature	(°C)	0°C to 60°C	-
Thickness on vertical wall	(mm)	Max. 30	-
Full hardening time	(days)	6	-

(1) Cured 7 days at room temperature

MECHANICAL PROPERTIES [1]

Flexural modulus	(MPa)		1465	ISO 178
Flexural strength	(MPa)	-	21	
Flexural strain at flexural strength	(%)		2	
Impact strength CAHRPY [2]	(kJ/m²)		6	ISO 179/1eU
Linear shrinkage on 1000*50*10 mm (%)			< 0.01	-

(1) Cured 7 days at room temperature.

(2) Unnotched specimens.

MECHANICAL PROPERTIES ON ASSEMBLIES [1]

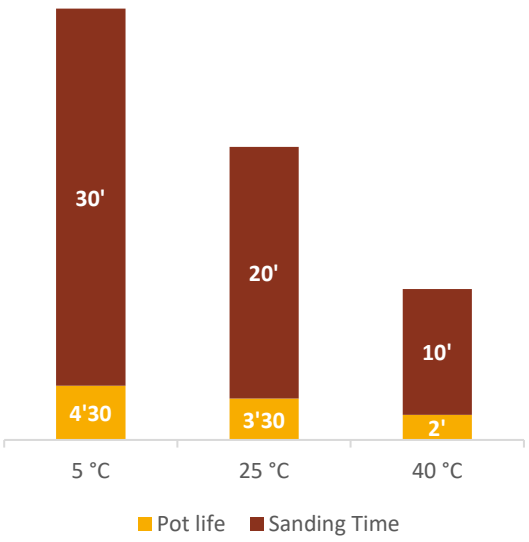
		LAP SHEAR STRENGTH AT 23°C		METHOD
Aluminium 2017A (sandblasted)	(MPa)	Initial	12	LT-006-B
		After 14 days at 70°C	9	
		After 14 days at 100°C	10	

(1) Cured 7 days at room temperature.

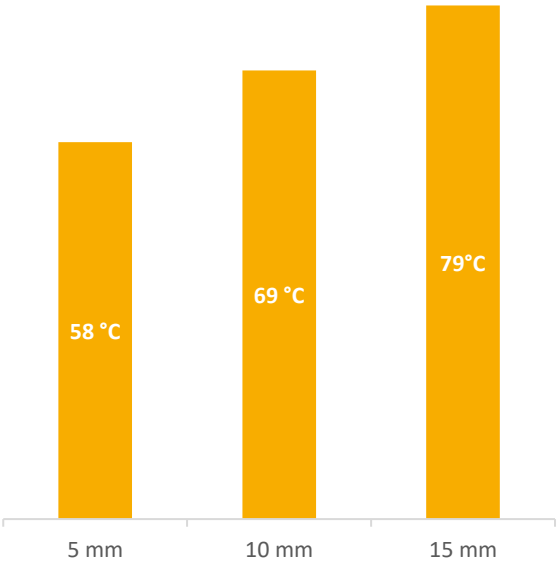
PROCESSING

- Both parts must be thoroughly mixed according to the mixing ratio indicated in this Technical Data Sheet. Before use, check that the support is free of any dust, grease or pollution.
- During processing, pot life and time before sanding may vary depending of room temperature (see graphic below). The exotherm developed during hardening varies with the thickness of applied product, up to a maximal value of 79°C (174°F) (See graphic below).
- **Advice: Test is necessary when using painting in order to check compatibility between the putty and the primer. A Polyester based primer is recommended.**

Pot life and sanding time versus temperature



Exotherm versus thickness



HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products:

- Ensure good ventilation.
- Wear gloves, glasses and protective clothes.

For further information, please consult the Safety Data Sheets.

STORAGE CONDITIONS

Shelf life of EASYMAX-R BG in 400ml cartridges, of EASYMAX-R BN in 50ml and 400ml cartridges and of EASYMAX-R GY in 400ml cartridges is **12 months** in a dry place and in original unopened containers at a temperature between 15 and 25° C.
Shelf life of EASYMAX-R BG, BN and GY POLYOLS is **12 months** in a dry place and in original unopened containers at a temperature between 15 and 25° C.
Shelf life of EASYMAX ISOCYANATE is **12 months** in a dry place and in original unopened containers at a temperature between 15 and 25° C.

PACKAGING

■ EASYMAX-R BG (Beige)	Box of 12 cartridges of 400ml
■ EASYMAX-R BG POLYOL + EASYMAX ISOCYANATE	Kit of 6 x (0.25 kg Polyol + 0.25 kg Isocyanate)
■ ESAYMAX-R BN (Brown)	Box of 12 cartridges of 50ml
	Box of 12 cartridges of 400ml
■ EASYMAX-R BN POLYOL + EASYMAX ISOCYANATE	Kit of 6 x (0.25 kg Polyol + 0.25 kg Isocyanate)
■ EASYMAX -R GY (Grey)	Box of 12 cartridges of 400ml
■ EASYMAX-R GY POLYOL + EASYMAX ISOCYANATE	Kit of 6 x (0.25 kg Polyol + 0.25 kg Isocyanate)

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.

VALUE BASES

All technical data stated in this Product Data Sheet 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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