

Stobicoll® A 255.08

General product information

This is a two component thixotropic polyurethane adhesive. *Stobicoll® A 255.08 Pol/Iso* is especially suitable as constructional adhesive in electrical engineering for battery manufacturing. This adhesive is distinguished by its excellent acid fastness and good adhesion at hard rubber, polystyrene, polyester, ABS-and SAN-polymers, metals, concrete, wood and others.

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Typical properties at 20°C

	Polyol	Polyisocyanate	Mixture
Density [g/cm³] DIN 53217/2	1.63	1.10	1.45
Viscosity [mPa·s] DIN 53018/1+2	9000	90	600
Mixing ratio by weight	100	50	

Potlife From 10 to 25 minutes at 20°C possible

Thixotroping time 6 to 16 minutes at 20°C

Colour light grey

Flash Point

Polyol	n.a.
Polyisocyanate	30°C according to DIN 51584

Curing profile

The curing time depends on potlife and temperature of the components.

Typical mechanical properties

Properties	Value	Norm
Shore hardness	80 D	DIN EN ISO 868
Tensile strength	27 N/mm ²	DIN 53455
Elongation at break	2.2 %	DIN 53455
Flexural strength	58 N/mm ²	DIN 53452
Deflection at break	2.7 mm	DIN 53452
E-modulus of flexural strength	3200 N/mm ²	DIN 53457
Impact strength (Charpy)	6.0 kJ/m ²	DIN 53453
HDT - Martens value	28°C	DIN 53458
Temperature indice	128°C	IEC 216

Processing conditions

The resin component should be stirred well before using. The processing is done by preference with a two component metering and mixing machine. These machines enable a working with short pot lives. The parts to be glued should be clean, dry and free from grease.

Precaution

Material safety data sheet should be read very carefully before use.

Packaging

220 kg drums. Others size on request.

Storage life

Both components must be protected against humidity. Do not store at temperature below + 5°C. 15 - 25°C is the most favourable storage temperature. Original closed drums can be stored for at least 3 months at ambient temperature. After a long storage period, the resin component should be stirred well before using.

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