

Supplied by

AMBERCOMPOSITES

ELASTOSIL® C 1200 A/B

Composites

Characteristics

System for the production of reusable silicone vacuum bags.

Special characteristics

- Low viscous
- Shear thinning
- Excellent mechanical properties
- Fast and non-shrink cure at room temperature
- Easy to demold

Application

ELASTOSIL® C 1200 has been especially developed for the professional production of reusable vacuum bags, used for the production of composite parts. Due to its shear thinning behavior it will be self leveling, yet not running off vertical surfaces.

It's medium term pot-life will allow the use on larger surfaces, still enabling a quick curing of the bag.

Processing

ELASTOSIL® C 1200 may be processed using a manual or pneumatic gun. It is supplied in a double cartridge and will be applied directly onto the tool.

For larger amounts it may also be processed using a 2-component mixing and metering machine.

On larger surfaces it may also be sprayed using compressed air.

We recommend to post-curing the vacuum bag for 2-3 hours at operating temperature, 220 °C max.

Important

The platinum catalyst is contained in component A.

Caution

Only components A and B with the **same lot number** may be processed together!

Product data (uncured)

Property	Test method	Unit	Value	
			A	B
Component			A	B
Color			transparent	blue
Density at 23 °C	ISO 2811	[g/cm ³]	1.05	1.05
Viscosity at 23 °C	ISO 3219	[mPa s]	20,000	20,000

Product data (catalyzed A + B)

Property	Test method	Unit	Value
Mixing ratio		[pbw]	1 : 1
Color			blue
Pot life		[min]	20
Demoldable after		[min]	60

Product data (cured)

Property	Test method	Unit	Value
Hardness, Shore A	ISO 868		25
Tensile strength	ISO 37	[N/mm ²]	5.0
Elongation at break	ISO 37	[%]	500
Tear strength	ASTM D 624 B	[N/mm]	25
Maximum operating temperature		[°C]	220

After 24 hours at 23 °C

These figures are intended as a guide and should not be used in preparing specifications.

Storage

ELASTOSIL® C 1200 A/B is best stored between 5 °C and 30 °C in the tightly closed original container. The 'Best use before end' date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety information

Components A and B of the addition-curing grade ELASTOSIL® C 1200 contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

Additional information

Please visit our website www.wacker.com

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The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

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