



Silicones

Delivering
your
potential

Bluesil

Concrete Casting Solutions

Bluesil™ RTV 3433

Concrete Casting Solutions with Bluesil™ RTV 3433 from Elkem Silicones

Benefits of Bluesil™ RTV 3433

- Fast cure- makes a mold in 8 hours or less
- Easy mold release
- Detailed reproduction
- Accurate part geometry
- High color fidelity due to pigment retention of the silicone
- Low scrap rate due to excellent color fidelity

Why is Silicone better?

Compared to other commonly used materials such as latex and polyurethane, silicone has low shrinkage, excellent release and dimensional stability, great elongation and a shorter cure time.

PROPERTIES	LATEX	POLYURETHANE	SILICONE
Description	One part mix	Two-part Mix	Two-part mix
Cost	Low	Medium	High
Ease of Handling	Time Consuming	Easy two-part mix	Two-part mix
How to Use	Brush or Spray on 12-20 coats	Pour on or Brush on	Meter-mix dispense or Hand-mix
Cure Speed at Room Temp	30 min - 1 hour EACH coat	24 hours	6-8 hours
Exotherm	Low to High	Medium	Low
Shrinkage	High	Medium to High	Low
Dimensional Stability	Poor	Poor	Excellent
Release Properties	Good	Poor: requires release agent	Excellent
Elongation	Low	Medium to High	High
Library Life	Limited	Good	Excellent

Typical Properties of Bluesil™ RTV 3433

PROPERTIES	Bluesil™ RTV 3433 A & B
Hardness (Shore A)	30
Tensile strength at break (MPa)	870
Elongation at break (%)	450
Tear strength (KN/m)	90
Specific gravity (g/cm3)	1.10
Linear shrinkage (%)	< 0.2



Packaging

Bluesil™ RTV 3433 is delivered in 1000 kg totes and 200 kg drums.



Storage and Shelf Life

Bluesil™ RTV 3433 may be stored for up to 12 months from its date of manufacture.



Curing

The best curing conditions are at 23°C.

For detailed commercial contacts please visit our website:
www.silicones.elkem.com

Elkem Silicones France SAS
21 avenue Georges Pompidou
F-69466 Lyon Cedex 03 - France
Tel.: +33 (0)4 72 13 19 00
Fax: +33 (0)4 72 13 19 88

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. Elkem Silicones guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document and Elkem Silicones is at their disposal to supply any additional information.