



TECHNICAL DATA SHEET

SK2RS300-2

Two-component modified room temperature vulcanization compound

► DESCRIPTION

SK2RS300-2 two component modified room temperature vulcanisation compound designed for use in the manufacturing of flexible moulds and mandrels, as well as for casting pressure pads.

- Outstanding release properties
- Cures at room temperature within 16 hours or heat curable
- If required, the product cure can be heat accelerated
- High hardness
- Medium tear resistance
- Very low shrinkage and good dimensional stability
- Can be used for high-temperature casting applications
- High inhibition resistance

► TECHNICAL DATA

TYPICAL PROPERTIES		
Property	Unit	Result
Base		
Viscosity	mPa.s	130,000
Base Viscosity at 25°C	poise	1300
Appearance, Base		Beige
Base and Curing Agent Mixture 10:1		
Appearance		Regal Blue
Viscosity at 25°C	mPa.s (poise)	90,000 (900)
Working Time	Minutes	60
Cure Time at 25°C	hours	16



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TYPICAL PROPERTIES (Cont.)		
Cured for 24 Hours at 25°C As Cured		
Durometer Hardness, Shore A	Points	59
Tensile strength	MPa (psi)	4,5 (650)
Elongation, Die C at Break	%	250
Tear strength Die B	kN/m (ppi)	16 (90)
Specific Gravity at 25°C	-	1,29
Linear shrinkage	%	< 0.1

(1) Average values obtained on standard specimens after hardening 7 days at room temperature.

► NOTE

If no vacuum de-airing equipment is available, air entrapment can be minimized by mixing a small quantity of base and curing agent, then using a brush, painting the original with a 12mm layer.

Leave at room temperature until the surface is bubble-free and the layer has begun to cure. Mix a further quantity of base and curing agent and proceed as follows to produce a final mold.

► HANDLING PRECAUTIONS

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

- Ensure good ventilation
- Wear gloves and safety glasses

For further information, please consult the material safety data sheets.



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► STORAGE CONDITIONS

Shelf life: 12 months from date of shipment when stored in original packaging at or below 25 °C in original, unopened containers.

SK2RS300-2 can be sensitive to moisture and contamination. Ensure that containers are tightly closed after use.

► GUARANTEE

The information of our technical data sheet is based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of our products, under their own conditions before commencing with the proposed application. We refuse any guarantee about the compatibility of a product with any particular application. We disclaim all responsibility for damage from any incident which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.