

## QSil Smooth Coat RT Room Temperature Cure, Top Matte Silicone Coating

### Description

This is a two-component, low friction, translucent, matte finish coating. This material can be applied via spraying, brushing, or dip-coating on surfaces that are untreated or free of dust and grease. This material is excellent for orthopedic devices, special effects or where a smooth finish is needed.

### Key Features

- Room temperature cure
- Reduces the coefficient of friction (CoF)
- Pigmentable
- Can be applied by spraying, brushing, or dipping

### Key Applications

- Prosthetics
- Special effects

### Application

QSil Smooth Coat RT is a top matte silicone coating designed for orthopedic devices, special effects or where a smooth finish is needed. The matte finish can be cured at room temperature or quickly at high temperatures.

### Use and Cure Information

#### MIXING

Both A and B should be thoroughly mixed prior to use. These should be thoroughly mixed using a 1:1 ratio by weight or by volume. Once the components are mixed the curing process begins. In order to achieve optimum performance, the same "A" and "B" side lot number should be used.

#### DE-AERATION

Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To ensure proper de-airing, subject the mixed material to 29 inches of mercury.

Revision Date      18 Oct 2021  
Revision No        2  
Download Date     16 Jan 2025

### Property

#### Uncured Product

Property	Test Method	Value
Color		<b>Translucent</b>
Color A		<b>Clear to translucent</b>
Color B		<b>Translucent</b>
Cure Type		<b>Addition</b>
Gel Time at 25°C/77°F		<b>15 minutes</b>
Mix Ratio By Weight		<b>1:1</b>
Specific Gravity A		<b>0.97</b>
Specific Gravity B		<b>1.04</b>
Viscosity A	Brookfield	<b>25 cP</b>
Viscosity B	Brookfield	<b>230 cP</b>
Viscosity Mixed	Brookfield	<b>130 cP</b>

#### Cured Product

Max Working Temp	<b>150 °C / 302 °F</b>
Min Working Temp	<b>-55 °C / -67 °F</b>

#### Storage

Max Storage Temperature	<b>25 °C / 77 °F</b>
Shelf Life	<b>24 mths</b>

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