

QSiI 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

QSiI 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.

Property

Uncured Product

Color
Color A
Color B
Cure Type
Gel Time at 25°C/77°F
Mix Ratio By Weight
Specific Gravity A
Specific Gravity B
Viscosity A
Viscosity B
Viscosity Mixed

Test Method Value

Translucent
Clear to translucent
Translucent
Addition
15 minutes
1:1
0.97
1.04
25 cP
230 cP
130 cP

Cured Product

Max Working Temp
Min Working Temp

150 °C / 302 °F
-55 °C / -67 °F

Storage

Max Storage
Temperature
Shelf Life

25 °C / 77 °F
24 mths

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