

# MAKOBOND SURFACE COAT 501

## PRODUCT DESCRIPTION

Makobond SC 501 is an all-purpose, white surface coat. SC 501 is designed to be used for room temperature applications. The SC 501 system is thixotropic by nature making it easy to work with, without sagging or drag. SC 501 is resistant to chipping and can easily be sanded within 12 hours of application.

## PRODUCT HIGHLIGHTS

- ROOM TEMPERATURE CURE
- THIXOTROPIC
- CHIP RESISTANT
- ALL PURPOSE

## PRODUCT CHARACTERISTICS

	SC 501A	SC 501B
Viscosity @ 25°C	Paste	280 cps.
Specific Gravity	1.49	1.08
Color	White	Amber

## HANDLING PROPERTIES

Surface Coat 501	
Mix Ratio By Weight, Resin, Hardener	100:11
Mix Ratio By Volume, Resin, Hardener	6.6:1
Mixed Viscosity @ 25°C	Paste
Pot Life @ 25°C	20-30 minutes

## PHYSICAL PROPERTIES

	Results	ASTM Method
Cured Hardness (Shore D)	87-92D	D2240
Flexural Strength (psi)	7,206 psi	D790
Compressive Strength (psi)	15,229 psi	D695
Tensile Strength (psi)	6,321 psi	D638

## HANDLING AND CURING

Measure out the proper weights of SC 501 and mix until uniform and no streaks are present throughout. Be sure to scrape the sides and bottom on mixing container to avoid any unmixed material. SC 501 should be applied in two layers. Once the first layer is hard enough the second layer can be applied. SC 501 will cure at room temperature. No post cure is required to reach full properties.

## MAKOBOND SURFACE COAT 501

### PACKAGING WEIGHTS

	Quart Kit	Gallon Kit	Pail Kit
SC-501A	3 lbs	12 lbs	55 lbs
SC-501B	0.33 lbs	1.33 lbs	6.1 lbs
SC-501 Kit	3.33 lbs	13.33 lbs	61.1 lbs

### STORAGE AND SAFETY

Makobond SC 501 has a shelf life of 12 months from date of shipment when unopened and stored at ambient temperatures, (18-27°C). Nitrogen purging opened containers is recommended before re-sealing. SC 501B may darken over time, but this will have no effect on any finished product. Users need to exercise proper care while working with material; gloves, eyewear, and proper ventilation are recommended. Warning: All thermosetting matrix systems undergo exothermic reaction during vulcanization and/or curing, generating heat. If not properly managed, exothermic reactions may release possibly flammable or toxic gases into the surrounding. Users should exercise extreme caution when blending large volumes of ingredients (ie greater than 1 lb), and/or curing thick sections of components (typically greater than 0.200 inches). Users should monitor heat profiles of any curing or blended materials carefully and attentively during cure. Please contact a Mako team member with any concerns prior to use and/or to coordinate the proper management of safety and temperature monitoring process to avoid exothermic phenomena.