

# SCULPTACAST™ WAXES



## SculptaCast Dragon, Earth & Limerick Waxes

SculptaCast waxes are formulated with the purest synthetic and natural raw materials available in the industry; producing extremely low ash content and enabling the cleanest burnout and most accurate reproductions allowable.

Characteristics such as flow, toughness, durability, replication of detail, ductility, memory and release have all been engineered into SculptaCast waxes for specific applications.

SculptaCast waxes are available in numerous formulas to meet virtually all requirements from hand forming to slush casting. Whether you are a sculpture artist or a foundry making sculpture castings, SculptaCast waxes have been designed to meet your specific needs.



### Wax Selection\*

#### SculptaCast Dragon wax

A general purpose wax designed to be used on its own or with additions of either SculptaCast Victory or Hardener waxes.

#### SculptaCast Earth wax

Recommended for casters performing hand molding and minor carving corrections. SculptaCast Earth wax has a lower melting point; which offers improved working characteristics in colder climates or during the winter.



#### SculptaCast Limerick wax

Can be used for most sculpture applications. It reduces or eliminates wax pattern deformation associated with bulging or lifting from mold walls. SculptaCast Limerick wax is an ideal prime wax for castings requiring painting of fine detail. SculptaCast Limerick wax sets up faster than other SculptaCast waxes, providing improved working characteristics in warmer climates.

\*Always refer to application instructions when selecting painting temperatures.

	SculptaCast Dragon wax	SculptaCast Earth wax	SculptaCast Limerick wax
Color	Red	Brown or Red	Green
Fluidity	Moderate	Very High	High
Hardness (1=Soft/10=Very Hard)	7	3	6
Shrinkage	Moderate	Very Low	Very Low
Ductility	Low	High	Moderate
Polishing	Excellent	Good	Excellent
Hand Forming	Poor	Excellent	Good
Set-up Time	Moderate	Slow	Fast
Tacky/Sticky	Moderate	Low	Very Low



## RANSOM & RANDOLPH

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## SculptaCast Victory & Hardener Waxes

For in-house wax adjustments, SculptaCast waxes also include SculptaCast Victory wax for a soft addition and SculptaCast Hardener wax for a hard addition.



### Quality

All SculptaCast waxes undergo stringent quality control testing in a state-of-the-art laboratory to ensure the highest level of quality.

### Handling Guidelines (Melting & Conditioning)

1. Melt wax at a minimum of 180-220 °F (82-104 °C) with regular agitation for proper heat transfer and to produce a homogenous blend.
2. Once the wax has completely melted, transfer the wax to the appropriate holding reservoir and condition the wax to the desired temperature. Allow the wax temperature to stabilize.

**Note:** refer to recommended application temperatures below for primary coat, backup and slushing.

**Note:** it is recommended that wax temperature not exceed 302 °F (150 °C).

### Recommended Application Temperatures\*\*

	SculptaCast Dragon wax	SculptaCast Earth wax	SculptaCast Limerick wax
Painting Temperature (Primary Coat)	195-245 °F (91-118 °C)	150-170 °F (65-77 °C)	195-245 °F (91-118 °C)
Painting Temperature (Backup)	175-195 °F (79-91 °C)	140-150 °F (60-65 °C)	175-195 °F (79-91 °C)
Slushing Temperature	160-170 °F (71-77 °C)	140-150 °F (60-65 °C)	175-185 °F (79-85 °C)

\*\*Actual melt and application temperatures will depend on individual circumstances of use.

### Safety

Please read and understand the product SDS before handling these products.

*As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user. All potential liability related to the sale and use of this product is limited to the cost of the particular goods sold in their respective transactions.*

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