

## DecoVas – VSP

V – Hard Silicone Hybrid

S - Spray

P – Moisture Cure

## Product Data Sheet

Silicone Hybrid Hard Coating

### Product Name

DecoVas VSP (Spray)

### Manufacturer

Industrial Control Development, Inc.  
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### Description

DecoVas™ is a ceramic like silicone hybrid coating, designed for spray application. This coating is an extremely durable coating that may be applied to a wide range of substrates. The DecoVas™ coating is a two (2) part, self adhering coating.

### Use

DecoVas™ has been developed for glass and metal surfaces. It can be used in interiors as well as some exterior applications. Contact ICD for a list of approved exterior applications.

## Application

### Colors:

VSP-35-451 Red Oxide  
VSP-37-471 Yellow Oxide  
VSP-31-412 Black  
VSP-30-401 White  
VSP-37-472 Light Yellow  
VSP-32-521 Pthalo Green  
VSP-36-561 Pthalo Blue  
VSP-36-462 Light Blue  
VSP-32-423 Light Green  
VSP-35-551 Bright Red  
VSP-30-063 Clear

Colors may be mixed together for infinite color combinations.

**Excellent Resistance:** All of the pigments used in DecoVas™ are rated excellent in color retention

**Pot Life** is 6-8 hours and is dependent upon cross-linker amount.

**Open Time:** Open time is dependent upon relative humidity and cross linker amount. 4 – 6 hours. The relative humidity should be a maximum of 20-40%.

## Liquid Physical Properties

Color: .....	Various
Solids: ..... Spray .....	>96%
VOC: ..... Spray: .....	<31 G/L
Specific Gravity: ..... Spray: .....	1.0-1.08
Viscosity: ..... Spray – Mixed: .....	500-1,500cps (depending on color) #2 ..... spindle @ 5 RPM

## Cure Physical Properties

DecoVas will attain most physical properties within seven (7) days.	
Pencil Hardness: .....	6H
Q.U.V.: .....	5000 Hours
7 day 63°C (145°F): .....	No Change
M.E.K. Rubs 200 Double ASTM Rubs:.....	No Change

## Application

### Surface Preparation

The glass substrate must be thoroughly cleaned. Any contaminants present on the glass surface will lead to aesthetic and/or mechanical defects. Mechanical glass washers are the preferred means for washing the glass and should always be used where quality of glass is desired.

Always clean and inspect glass just prior to the application of DecoVas™.

**Two Part System:** DecoVas™ coating requires the use of a catalyst. The catalyst must be purchased locally. Contact ICD.

**Application Method:** Spray

**Spray version:** The base spray material must be stirred thoroughly 5-10 minutes with good agitation prior to addition. The use level for the catalyst solution is 20% by weight.

Example: Calculate 20% of base material weight (20/100 by weight). In other words: 100 grams base material and 20 grams catalyst.

Once the base material has mixed add catalyst. Thoroughly mix the catalyst into the base resin. It should mix at least 5-10 minutes. Periodically scrape the sides of the container.

### Handling

Time: Once mixed, the material can be used for up to 8 hours (while in a sealed container). Keep excess activated material in a tightly sealed container until ready to use. Also, keep excess unactivated base material and catalyst tightly sealed when not in use. Both the base and catalyst are moisture reactive.

### Coating Thickness:

Spray: 3-4 mils (72-102µm)

### Material Coverage:

Thickness:      76µm                      102µm

	3 mils	4 mils
M2/liter:	13 M2/liter	10 M2/liter

## Curing

Moisture Cure

**Air Cure:** DecoVas is humidity cure dependent. Twenty-four (24) hours for handling. Twenty-four (24) hours for shipping.

**Stacking:** Do not stack until fully tested (twenty-four (24) hours).

Stack only with paper approved separators.

## Clean-up

Cleaning of the equipment can be accomplished with low VOC solvents such as Dlimonene.

Application equipment should be cleaned within four (4) hours. Other common solvents, such as mineral spirits or isopropyl alcohol may be used.

## Storage

Storage temperature should be maintained within 1-24°C (34-74°F).

## Shelf Life

Shelf life is six (6) months from date of shipment.

Storage conditions can affect shelf life. Please contact ICD for information.

Shelf life may be extended by storage in cool environment.

## Technical Services

ICD has experienced staff available for technical consultation and fabricators in most major cities.