

## MICROWAVE ABSORBENT PAINT: KV-SCA-P-PU-4.6

### Description:

- ❖ Two parts Polyurethane/ Epoxy based magnetically loaded microwave absorbing paint.

### Physical Properties/ Features:

- ❖ High magnetic loss coating to a metallic surface to attenuate surface currents/ waves.
- ❖ Part A is a resin filled with particles and Part B is an unfilled hardener.
- ❖ It can reduce Radar cross section of complex objects having discontinuities like joints, trailing edges, sharp contour etc.
- ❖ It can be used to selected parts of antennas to reduce side lobes.
- ❖ Color of coating is dark grey.
- ❖ Density of Mix. : Approx. 4.0 of the mixed cured system. Depending on end use it can be tailored between 3.6 to 4.6 gm/cm<sup>3</sup>.
- ❖ Thin able, spray able, brush able by using special solvent KV-SCA-P-PU-T.
- ❖ Shelf life : Minimum 6 months

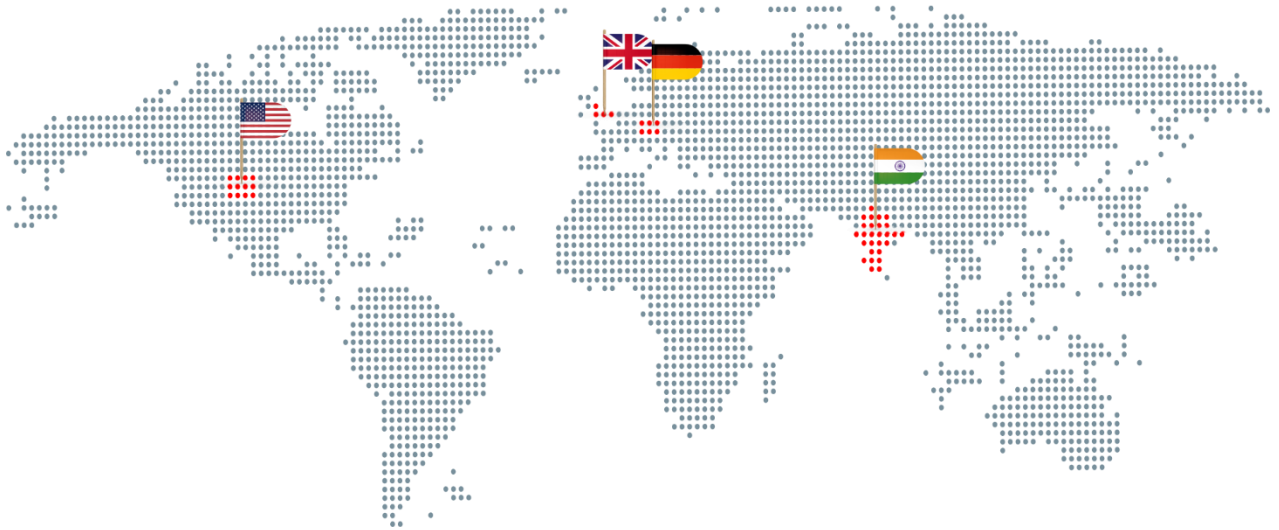
### Attenuation Performance:

- ❖ Minimum 20 dB/Cm and 63 dB/Cm at 3.0 GHz and 8.6 GHz respectively as insertion loss.
- ❖ The attenuation performance shall be tested by S21 parameter.

### How to Use:

- ❖ Thoroughly mix Part A. Part B require no mixing.
- ❖ For each 70 gm parts by weight add 1.0gm of Part B and mix it thoroughly. Add approx. 5 to 10 gm by weight solvent KV-SCA-P-PU-T. Single coating can vary from 100 micron to 200 micron. To increase thickness apply additional coat when the earlier coat is partially cured.
- ❖ The system is room temperature curable in 24 hours.

# GLOBAL PRESENCE



**LASER CUTTING** RF & Microwave  
**MARKING** Medical Devices  
**WELDING** Hi-Tech Software  
 Diamond Processing  
 Renewable Energy  
 Cleaning  
 Scribing / Dicing  
 Automations

**DEFENCE & AEROSPACE**  
**MICRO MACHINING**

## SLTL'S STRENGTH

<p>Experience</p> <p><b>34+</b> Years</p>	<p>Mfg. Plants</p> <p><b>6</b> Laying Over</p> <p><b>54000</b> Sq. mtr.</p>	<p><b>10%</b></p> <p>Yearly R&amp;D</p>	<p>Exports</p> <p><b>40+</b></p> <p>Countries</p>
<p><b>15000+</b></p> <p>Systems</p>	<p><b>ISO</b></p> <p>9001-2015</p>	<p><b>26+</b></p> <p>Patents</p>	<p><b>29+</b></p> <p>Awards</p>



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