

## COATINGS – PROCESS VARIABLES AND PROPERTIES SCENARIOS

### Solvent Based Road Marking Coating or Paint - QC Results for SG and Viscosity Scenarios/Actions

<u>Scenario</u>	<u>Meaning</u>	<u>Action</u>
<b>Case 1</b> SG High, Viscosity High	Operations probably left out some of the solvent.	Adjust the Viscosity to specification with solvent then the SG will also drop, but also keep an eye on Hiding-Power and other properties like Sheen/Gloss.
<b>Case 2</b> SG Low, Viscosity Low	Operations probably added too much solvent.	If hiding power, application and drying/sheen are okay, then release the batch, but make a note if they're not okay. You may have to adjust with Pigment/Resin.
<b>Case 3</b> SG High, Viscosity Low	Operations probably left out some resin. Check Sheen/Opacity. It will probably be lower in Sheen higher in Hiding-Power.	Adjust with Resin to bring up the Viscosity and lower the SG. Make sure drying rate is okay.
<b>Case 4</b> SG Low, Viscosity High	Operations probably left out some pigment/filler or added too much resin. Check Sheen/Opacity. It will probably be high and Hiding-Power lower than normal.	Adjust with Pigment or Filler until the SG and Viscosity are in Line again keep an Eye on Drying

#### Variables:

Specific Gravity (SG)

Viscosity

Solvent type and concentration

Resin type and concentration

Pigment type and concentration

Filler

Hiding-Power

Drying rate

Sheen or Gloss