

# Prototype Formulation for Scratch Concealer

## Auto Care Formulation Information

### Scratch Concealer

Formulation reference: SC-100

### Description

*Dow Corning*<sup>®</sup> 3527 Fluid is easy to apply and provides a durable, smooth, glossy coating that penetrates imperfections.

*Hydral*<sup>®</sup> 710 Abrasive works well with polish formulas with a high water content. Both *Kaopolite*<sup>®</sup> 1152 and *Hydral* 710 Abrasives are relatively mild and prevent additional scratches to auto clear coats.

*Isopar*<sup>™</sup> M is an organic isoparaffin solvent that is VOC-exempt, very slow to dry, and aids with film formation of active ingredients in the formula.

This formula passes five cycles of freeze/thaw stability testing.



AV09029

Ingredient	Weight %	Trade Name/Supplier
<b>Phase A</b>		
DI water	68.45	
Alcoa <i>Hydral</i> 710 Abrasive	3.0	Alcoa Inc.
<i>Kaopolite</i> <sup>®</sup> 1152 Abrasive	5.0	Kaopolite, Inc.
<i>Amadol</i> <sup>®</sup> (Witcamide) WE	2.0	Akzo Nobel
Sodium chloride salt	1.0	
Stoddard solvent	10.50	Chemcentral or Ashland
<b>Phase B</b>		
<i>Isopar</i> M (isoparaffin)	1.00	Exxon Chemicals Ltd.
Stoddard solvent	3.0	Chemcentral or Ashland
<i>Bentone</i> <sup>®</sup> 38	0.7	Rheox, Inc.
<b>Phase C</b>		
<i>Dow Corning</i> <sup>®</sup> 3527 Fluid	5.0	Dow Corning Corp.
Isopropanol	0.35	

### Procedure

- 1) Load phase A ingredients in the order shown into a vessel and mix well.
- 2) Mix phase B ingredients in a separate container.
- 3) Add phase B to the production vessel and mix well.
- 4) Add phase C ingredients to the production vessel in the order shown and mix well.

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Visit [dowcorning.com/autocare](http://dowcorning.com/autocare) for additional information.

## Typical Properties/Additional Information

Formulas with a water content >75% are problematic (poor emulsification and do not thicken to a paste) and are not recommended with this combination of abrasives and emulsifier.

Observe precautions for handling raw materials as indicated on material safety data sheets from each supplier.

See Auto Care Raw Material Supplier Reference Sheet (Form No. 26-1064) for the role of the raw material and supplier information.

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## Contact Information

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Printed in USA

AGP10038

Form No. 26-1620A-01

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