

# Sensitive Substrates

**FOR PROFESSIONAL USE ONLY**

## Description

This Technical Service Bulletin describes the optimum process to repair sensitive substrates. Note that the indicated process will not always be applicable to every OEM substrate.

This Technical Service Bulletin will focus on the following steps:

- A solvent sensitivity test on the paint system.
- The necessity for sanding larger featheredges.
- The necessity for additional, finer sanding steps.
- The necessity for Infra Red drying.
- Careful application of solvent borne products to avoid solvent penetration.

## Sanding



Thoroughly clean the surface with the appropriate surface cleaner prior to sanding.



P80/P120 Remove existing finish.

P220 Sand larger featheredges than usual.

P320 Remove sanding marks and extend the featheredge.  
 Make sure each visible layer is at least 2-3 cm wide.

## Solvent sensitivity test

To check the sensitivity take a cloth and wet it with the reducer used in the product to apply. Place this wet cloth for 1 minute on the featheredge.

## Repair process



Thoroughly clean the surface with the appropriate surface cleaner.



10 minutes  
High Power Apply heat by use of Infra Red for approximately 10 minutes at High Power.



Apply the appropriate polyester body filler, possibly preceded by Primer Surfacer EP II.

**Optional:**  
 Infra Red drying for approximately 5 minutes at Low Power only.

# Sensitive Substrates

FOR PROFESSIONAL USE ONLY



P80 / P120 1<sup>st</sup> sanding step of the polyester bodyfiller.

P220 2<sup>nd</sup> sanding step of the polyester bodyfiller, use a guide coat for optimal control.

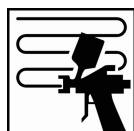


P220 Create a larger featheredge.  
 P320 Remove all P220 sanding marks

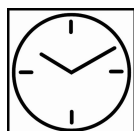
P400 Sand the surrounding area of the repair.



Degrease the sanded area. When using a waterborne degreaser, avoid contact with the bodyfiller.



Apply the appropriate primer and filler.  
 To reduce the risk for solvent penetration, apply thinner coats and longer flash-off times.

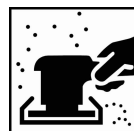


Drying times according relevant TDS information

**Optional:**  
 Drying IR using indication in *TDS S9.01.01 for Infra Red drying times information.*



P320 Block sand to remove the last irregularities of the repair area.



P400-P500 Final sanding step prior to the application of topcoat.

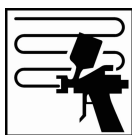


Thoroughly clean the surface with the appropriate surface cleaner.

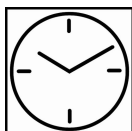


# Sensitive Substrates

FOR PROFESSIONAL USE ONLY



Basecoat – Clearcoat / Topcoat application.  
 When applying a solvent borne topcoat system, apply thinner coats to reduce the risk for solvent penetration.



Drying times according relevant TDS information

**Optional:**  
 Drying IR using indication in *TDS S9.01.01 for Infra Red drying times information.*

**Akzo Nobel Car Refinish bv.**  
**Address: Rijksweg 31, PO Box 3, 2170 BA Sassenheim**  
**Tel: +31(0)71308-6944**

**FOR PROFESSIONAL USE ONLY**

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Coatings brand names mentioned in this data sheet are trademarks of or are licensed to Akzo Nobel.

**Head Office**

Akzo Nobel Car Refinishes B.V., PO Box 3 2170 BA Sassenheim, The Netherlands. [www.sikkenscr.com](http://www.sikkenscr.com)