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/P180	Remove existing finish.
P280	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.

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	P80 / P180 P280	1st sanding step of the polyester bodyfiller. 2nd sanding step of the polyester bodyfiller, use a guide coat for optimal control.
	P280 P320 P400	Create a larger featheredge. Remove all P280 sanding marks 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.
		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*.

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