TEST METHODS FOR PLASTICS IDENTIFICATION

TEST METHODS FOR PLASTICS IDENTIFICATION:

Common plastics used in the auto industry can normally be identified by a marking on the back of the part. When this marking cannot be found, there are two tests which work fairly well to help determine whether to use Primer PO or Plastoflex Primer. These tests are as follows:

1. Burn Test
2. Float Test

BURN TEST:

Shave off a small sliver of plastic from the back of the part. Ensure that the part is free of paint, mold release agent, or any other coating. Light one end of the sliver. If the sliver burns with a black heavy smoke or releases spirals of smoky plastic, it indicates the use of Plastoflex Primer. If the sliver burns with a clean smoke (like that of a candle), it indicates the use of Primer PO.

NOTE:

Conduct this test in a safe, ventilated environment.

FLOAT TEST:

Shave off a small sliver of plastic from the back of the part. Ensure that the part is free of paint, mold release agent, or any other coating. Drop the sliver in a glass of water. If the sliver floats, it indicates the use of Primer PO. If the sliver sinks or submerges, it indicates the use of Plastoflex Primer.

Primer PO		Plastoflex Primer	
Plastics	= PO	Plastics	= SMC
	= PP		= BMC
	= PE		= GFK
	= PP/EPDM		= PC
	= PP/EPM		= PP/EPDM
	= TPO		= PP/EPM
Burns	= clean like candle		= ABS
Float	= floats		= PPD
			= PA
			= HP-Alloy
			= PUR
			= P.D.T
			= TPU
		Burns	= heavy black smoke
		Float	= sinks or submerges

SANDING:

—Prior to Primer PO; abrade the panel or part to be painted with a grey scuffing pad and Sikkens Plasticfix™.

—Prior to Plastoflex Primer; sand the panel or part to be primed with #P360 dry or #P500 to #P600 wet. These parts may also be prepared with a red scuffing pad and Sikkens Plasticfix™.

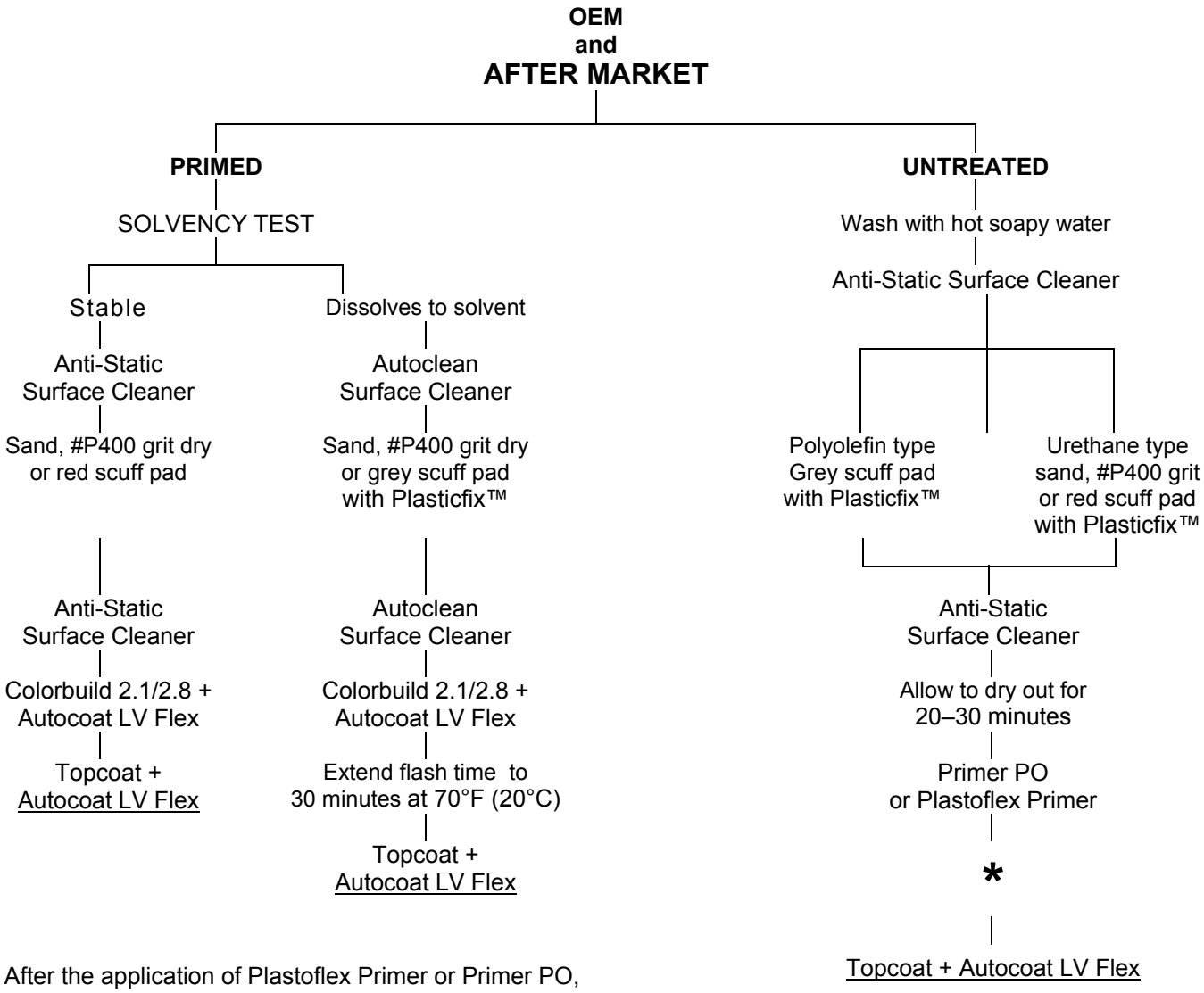
TEST METHODS FOR PLASTICS IDENTIFICATION

(PREPARATION AND PAINT SYSTEMS)
B) FLEXIBLE PLASTICS:

Pretreatment:

— As the refinishing of flexible plastic parts requires the highest consideration from the technician, it is necessary to assess the plastic part that is being refinished. Please refer to the heading, "Test Methods for Plastic Identification" to determine the type of plastic that is to be refinished. The technician should address the situation by using the guidelines as follows:

FINISHING OF NEW REPLACEMENT PLASTIC PARTS



* After the application of Plastoflex Primer or Primer PO, if the filling qualities of Colorbuild 2.1/2.8 are required, proceed. Remember, Autocoat LV Flex should be added to Colorbuild 2.1/2.8 for flexible parts.

TEST METHODS FOR PLASTICS IDENTIFICATION

(PREPARATION AND PAINT SYSTEMS)

REPAIRING EXISTING OEM PLASTIC PARTS

Repair Damage if Necessary
Use 2-Component Plastic Repair Filler

Feather Edge
With #P320 Grit Paper Dry
Final Sand with #P400 Grit

Good feather edge

Anti-Static Surface Cleaner

Allow to dry out
for 20 – 30 minutes

Plastoflex Primer
or Primer PO
on exposed plastic

Colorbuild 2.1/2.8
+ Autocoat LV Flex

Topcoat +
Autocoat LV Flex

Peeling feather edge

Remove existing finish

Anti-Static Surface Cleaner

Sand, #P400 grit
or red scuff pad
with Plasticfix™

Anti-Static Surface Cleaner

Allow to dry out
for 20 – 30 minutes

Plastoflex Primer
or Primer PO

Colorbuild 2.1/2.8
+ Autocoat LV Flex

Topcoat +
Autocoat LV flex

Having decided on the type of repair system for the plastic part worked on, apply the necessary products to complete the job.