



GENERAL INFORMATION

An advanced nano-encapsulation technology that allows for higher pigment, metallic and pearl concentration while providing superior particle orientation and ease of blending. Allows for maximum coverage with minimal coats. Provides outstanding color-match flexibility and optimum repairability. Enables outstanding adhesion and rapid tape and dry times for fast repairs. National Rule.



1. COMPONENTS

- 999 Series High Performance Base Color
- 171 Reducer Fast
- 172 Reducer Medium
- 173 Reducer Slow
- 174 Reducer Very Slow
- 171HP Reducer High Performance Fast
- 172HP Reducer High Performance Medium
- 173HP Reducer High Performance Slow
- 174HP Reducer High Performance Very Slow
- HPC2 Activator Fast



2. MIXING RATIO (2:1:0-1% by volume)

- Mix two (2) parts Base Color to one (1) part 170 or 170HP Series Reducers listed above
- **Optional:** Add max 1% of HPC2 per spray able quart for enhanced performance

NOTE: We only recommend activator in basecoat for under hood applications where the basecoat will not be over coated



3. POT LIFE @ 77°F (25°C)

- When properly covered at 77°F/25°C, 999 Series Base will maintain a sprayable viscosity indefinitely
- With HPC2: Two (2) Hours



4. CLEAN UP

- Use Valspar Refinish Reducers listed above (check local regulations)



5. ADDITIVES

- N/A



6. SURFACE PREPARATION

- Surfaces should be prepared using the proper undercoat system following recommended procedures
- All surfaces should be finish sanded with 600/P800 grit wet or dry sandpaper or equivalent



7. TOPCOATS

- AC200 MS Clear Coat
- AC4440 Clear Coat
- Z9000 Clear Coat



8. TECH NOTES

- N/A



9. SUBSTRATES

- Properly prepared previously painted surfaces
- Valspar 2K primers and sealers

NOTE: Except SE88 1K Self Etching Primer



10. APPLICATION

- Spray two (2) to three (3) medium-wet coats with an overlap of 75% until hiding and color match are achieved.
- If necessary for metallic orientation a final drop coat may be used
- Allow each coat 5-10 minutes flash or until finish is dull.
- Dry mils 2.0 to 3.0 mils (20-75 µm). Wet mils 4.0 to 6.5 mils (100-165 µm)
- Surface temperature should be 50-100°F / 10-35°C with less than 80% ambient humidity preferred



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

| | |
|---------------------|--------------------------------------|
| Flash between coats | 5-10 Minutes or until finish is dull |
| To Tape | 10-15 Minutes |
| To Clear Coat | 30 Minutes |

NOTE: If basecoat is allowed to dry more than 24 hours before clear coating, scuff and re-spray basecoat



12. INFRARED CURE

- N/A



13. GUN SET UP

| CONVENTIONAL GUN | |
|------------------|---------------------|
| Gravity Feed | 1.3 mm - 1.5 mm |
| Siphon Feed | 1.6 mm - 1.8 mm |
| HVLP | |
| Fluid Tip | 1.3 mm - 1.4 mm tip |

AIR PRESSURES

| Conventional @ Gun | |
|---------------------------------|-------------------------|
| Gravity Feed | 25-35 psi (1.7-2.5 bar) |
| Siphon Feed | 30-40 psi (2.0-2.8 bar) |
| HVLP Inlet Air | 20-30 psi (1.5-2.0 bar) |
| See spray gun manufacturer info | |



14. PHYSICAL DATA

SEE PAGE 2

If used as instructed, this product is designed to comply with the US National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish Coatings. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.



14. PHYSICAL DATA (continued)
FOR USA (National Rule Compliance):

| RTS REGULATORY DATA: | 2:1 | |
|--|--------------------------------|------------|
| | (170 or 170HP Series Reducers) | |
| | LBS./GAL | g/L |
| Actual VOC | 6.4 Max. | 772 Max. |
| Regulatory VOC (less water and exempt solvents) | 6.5 Max. | 780 Max. |
| Density | 7 - 10 | 840 - 1200 |
| | WT.% | VOL.% |
| Total Solids Content | 10 - 40 | 10 - 25 |
| Total Volatile Content | 60 - 90 | 75 - 90 |
| Water | 0 | 0 |
| Exempt Compound Content | 1 - 10 | 1 - 10 |
| Coating Category | Basecoat/Two-Stage Topcoat | |

NOTE: Values reflect use with and without optional 0-1% HPC2 Activator. US Regulations allow for the use of exempt compounds for VOC calculations.

FOR REST-OF-WORLD (outside US and Canada):

| RTS REGULATORY DATA: | 2:1 | |
|------------------------|--------------------------------|------------|
| | (170 or 170HP Series Reducers) | |
| | LBS./GAL | g/L |
| VOC | 6.5 Max. | 780 Max. |
| Density | 7 - 10 | 840 - 1200 |
| | WT.% | VOL.% |
| Total Solids Content | 10 - 40 | 10 - 25 |
| Total Volatile Content | 60 - 90 | 75 - 90 |
| Water | 0 | 0 |
| Coating Category | Basecoat/Two-Stage Topcoat | |

NOTE: Values reflect use with and without optional 0-1% HPC2 Activator.

NOTES

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