



BASECOAT TECHNICAL DATA SHEET



PRODUCT FEATURES

- Excellent Coverage
- Easy Mixing
- Fast Drying
- Easy Metallic Control
- Great for Overall or Spot Repair
- Matched to OEM Fleet Colors

AVAILABILITY

Diamond Fleet Base Coats

| Color | | Units | Can be reduced with |
|--------------|-------------------|--------------|--|
| DF Color | Urethane | Gal & Quarts | Diamond Fleet Basecoat Series Urethane Reducer Or Compliant reducer |
| DFP201-DF208 | 8 Dry Pearls | 90 Grams | |
| DF250 | Holographic flake | 90 Grams | |

PHYSICAL PROPERTIES

| | | | |
|----------------------------------|--------------------------|---|-----------------------|
| Pot Life | Indefinite | Weight Solids RTS | 21 to 42% |
| Flash Point | 10-30°F | Theoretical Coverage @ 1 mil (RTS) | 277.4 to 399.5 sq. ft |
| Dry Film Build | 0.4 to 0.6 mils per coat | Inter- Coat Adhesion | Excellent |
| Sprayable Viscosity (RTS) | 14" to 18" #2 Zahn Cup | Humidity Resistance | Excellent |
| EPA VOC Zero VOC reducer | 3.5 (lbs/gal) | | |
| EPA VOC National Rule | 4.8 to 5.2 (lbs/gal) | | |
| ACTUAL VOC | 1.4 to 1.7 (lbs/gal) | | |
| ACTUAL VOC National Rule | 3.5 to 3.9 (lbs/gal) | | |

DRY TIMES @ 70° F

| | |
|---------------------|--|
| Dust Free | 5 – 10 minutes |
| Tape Free | 45 – 60 minutes with DF17,DF 18, orDF19 |
| Flash | Allow 5 to 15 minutes between coats depending on number of coats, shop temperature and humidity. |
| To Clearcoat | 30 – 45 minutes |
| Note | All tests are performed at 70° F; higher temperatures will provide faster drying times. |

MIX RATIO

| | |
|-----------------------|---|
| 2 Parts Color | Diamond Fleet Basecoat |
| 1 Part Reducer | Use a compliant Diamond Fleet Reducer or DFB-70, DFB-80, or DFB-90 for national rule area |

**Can be sprayed at 1:1 with 2 – 4 coat coverage.*

COLD SHOP CONDITIONS

For maximum performance, vehicle should be kept above 70°. Temperatures below 65° will severely retard dry times and through dry.

SPRAY GUN SETUP

Gravity, Siphon Feed, HVLP, Pressure Pot, and Airless Follow manufacturer’s recommendations

SURFACE PREPARATION

1. Clean vehicle with soap and water and allow it to dry, then wipe with Wax and Grease remover, using generous amounts and changing rags frequently.
2. Sand area as necessary to remove any rust or corrosion, repair all body damage.
3. Prime exposed metal with any of the recommended bare metal primers.
4. Prime repaired areas with a 2K primer.
5. Block sand primed bodywork with 400P grit or finer wet or dry sandpaper. Clean area to be painting with a Pre-clean or Wax and Grease Remover.

REDUCER SELECTOR

| Temperature Range | Recommended Diamond Fleet Reducer | | |
|-------------------|-----------------------------------|--------|------|
| | Fast | Medium | Slow |
| 65-75° F | Yes | Yes | |
| 75-85° F | | Yes | |
| 80° or higher | | Yes | Yes |



GENERAL INFORMATION

Always consider the following when choosing a reducer: the size of the vehicle (is it a bus or a fender?), the temperature, humidity and air movement.

Follow the recommendations in the reducer selector table for best results.

APPLICATION

Apply 2 medium wet coats from a distance of 6 to 8 inches. Allow coats to become hand slick (approx. 5 to 15 minutes) before applying the next coat. Allow basecoat to dry 30 to 45 minutes before clear coating. (*Dry times* are dependent of shop temperature and humidity)

EQUIPMENT CLEANING

Clean equipment with a compliant solvent. Refer to appropriate Air Quality District requirements for proper use of equipment and solvents.

PRODUCT SAFETY INFORMATION

Before using any Diamond Fleet product, be sure to read all safety directions and warnings. WEAR PROPERLY FITTED AIR PURIFYING RESPIRATOR with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A), eye protection, gloves, and protective clothing during application and until all vapors and spray mists are exhausted. In confined spaces, or in situation where continuous spray operations are typical, or if proper air purifying respirator fit is not possible, wear a positive-pressure, supplied air respirator (NIOSH TC-19). In all cases follow respirator manufacturer's directions for respirator use. When mixed, also contains Isocyanate. Do not permit anyone without protection in the painting area. FOR USE ONLY BY TRAINED PROFESSIONALS. Not for sale to or use by the general public. For more information CONSULT SAFETY DATA SHEET.