

Product Stewardship Guide

AQUABASE® Plus basecoat is regarded as the most technically advanced and robust waterborne product in the coatings industry. To ensure this advanced product maintains its optimum performance, PPG recommends these best practices to guarantee the best results from your paint system.

SHIPPING AND HANDLING

Shipping Temp: Acceptable Range 2°C–49°C 35°F–120°F

Transportation: Avoid temperatures outside of this range for greater than 2-3 hours.

SHIPPING Transportation of waterborne products should be in closed vehicles. Temperatures of 5°C/41°F or below require temperature-controlled transportation for the shipment of water-based products.

RECEIVING Measure product temperature using a Raytek infrared thermometer or comparable device upon arrival. Contact your supplying warehouse if product is outside the acceptable shipping temperature range.

PACKAGING Product should be wrapped in insulated foil wrap or insulated foam containers. The foil wrap can be reused from received shipments or purchased via suppliers such as Home Depot, Lowes; etc. The wrap can be used as illustrated in attachments 1 & 2 or to wrap single cartons.

LABELING

- If couriers are to deliver the waterbase products, attach a label stating KEEP FROM FREEZING with a picture of a penguin with a line through it. Size is 2 ¼" X 4". This label is available from The Compliance Center (www.thecompliancecenter.com).
- If a pallet or a single carton is wrapped, the pallet or carton must be labeled to reflect the labeling on the inner containers or cartons.
 - For example, if all products are Paint UN1263 limited quantity, a Paint UN1263 limited quantity marking on opposing sides of the pallet is required. If the pallet contains more than one hazard class, mark it appropriately. For a single carton, one label on the side is sufficient. Additionally, the pallet must be marked with the following statement "INNER PACKAGINGS COMPLY WITH REQUIRED SPECIFICATIONS." Remember to mark the bill of lading with "FREEZABLE" (see attachment 3).

STORAGE

Recommendations for long-term storage:

Storage Temp: **Acceptable Range** 5°C–41°C 41°F–105°F

Ideal 13°C–29°C 55°F–85°F

Shelf Life: **Minimum 4 years, unopened**

Manufacturer Date: **First 4 digits of Batch Number = year/month**

Example: 0809 = Sept 2008 manufacture date

Flash Point: 212°F

Category Classification: **Color Coating, Single-Stage Coating**

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STORAGE (continued)

BEST PRACTICES—DISTRIBUTOR

- Summer storage—Store product in lower racks out of direct sunlight.
- Winter storage—Store product off the floor, away from concrete walls and away from direct heat sources.
- Rotate stock to ensure first in first out (FIFO) stock management.

BEST PRACTICES—SHOP

- In mixing rooms exceeding 105°F for prolonged periods of time, circulate air.
- Ensure toners are not stored close to any sources of heat to avoid high levels of temperature fluctuation.
- Do not store close to radiators, against heated booth walls, inside windows exposed to strong direct sunlight.
- Install dosing lids as needed vs. installing all on initial installation.
- Storage (pot life) of reduced *Aquabase Plus* product is 90 days.
- Intermix color: store only in sealed plastic containers. Label with appropriate approved intermix “sell out” label.

MIXING, POURING AND FILTERING

Following these best practices can eliminate dried latex “bits” that may occur when storing product with dosing lids attached.

BEST PRACTICES—SHOP

- Hand agitate toners before each use but do not shake aggressively. This will help avoid aeration that may give the appearance of a dirty paint film during application. Take care especially with the slower moving toners.
- Keep dosing lids clean and free of paint build up by using a clean cloth to wipe the excess paint from the doser after pouring.
- Ensure that clean, dry containers are used for mixing and making colors ready for use.
- Place a lid on containers if left for extended times. If dried paint skins on the surface, it will not re-dissolve in the paint.
- Stir the mixed paint thoroughly before adding thinner.

PAINT FILTERING BEFORE APPLICATION

- Filter using a 125 micron filter strainer, DOX125, designed for waterborne paint.
- OR use a 3M™ PPS™ or similar type systems with a 125 micron filter for waterborne applications.
 - Do not invert the gun and purge the air from the 3M™ PPS™ liner. This will create a vacuum which can pull small particles through the 125 micron filter.
 - It may be necessary to introduce air into the cup when volume is exceedingly low.
 - Disposable cups are not recommended for storing reduced paint.
- Re-filter any previously made, ready-for-use material before re-use if left more than 1 day.

FILTERING RECOMMENDATIONS IF “BITS” ARE EXCESSIVE OR FOUND DURING APPLICATION

- Pre-filter using a 125 micron filter strainer, DOX125, designed for waterborne paint.
- Vented cups will prevent a vacuum, thus helping to prevent “dirt” from being pulled through the strainer.
 - Contact your distributor for available vented cup systems.
- Avoid cotton mesh filters as they will swell and shed fibers when used with waterborne paints.
- OR utilize the DeVilbiss DeKups® disk filter # 802976 DPC-42-K24 in combination with a 3M™ PPS™ type system to double strain inside the cup.

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