

AQ100 DTM

(With Flash Dry Technology)

Royal AQ100 DTM is a direct to metal topcoat with industry leading early water resistance properties and extremely fast dry times. Formulated using Royal's proprietary Flash Dry Technology helps fabricators reduce paint drying bottlenecks. In addition to its outstanding protection properties, it significantly reduces the hazards of working with volatile compounds found in other VOC coatings. Royal AQ100 DTM cannot ignite and because it does not create any toxic vapors, the odor, headaches, and nausea often associated with other coatings are completely eliminated. Royal AQ100 DTM provides greater performance on metals and greater health protection for workers.

KEY FEATURES

- Eliminates need for primer
- SCAQMD VOC COMPLIANT
- 100 GLOSS
- SURFACE TOLERANT
- Widest Application Temperature Range (37F-120F)
- ODOR FREEE
- Isolatek Fireproof Compatibility Certified

PHYSICAL DATA

- Colors CUSTOM
- Finish 90-100 GU
- Components 1
- Packaging 275 Gal Totes
55 Gal Drum
5 Gal Pail
- VOC <5 grams/liter
- Shelf Life 1Year unopened
- Surface Temp (F) 40-120
- Volume Solids (%) 50% ± 2
- Viscosity (Stormer) 80=85 KU
- Flashpoint (F) >230 Close cup

MIXING INSTRUCTIONS

Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

Do not let hydrocarbon solvents come in contact with this coating. For equipment and uid line cleaning use only an emulsifying industrial detergent followed by a water rinse.

DRYING , 2 MIL DFT , 77F , 50% RH , 400 LFM AIRFLOW

(Results will vary with temperature, humidity and DFT)

-Tack Free: 8 minutes -To Touch: 15 minutes -Tack Handle: 20 minutes

Recoat: 7 days

Note: Consult your technical representative before topcoating

SAFETY PRECAUTIONS

Read material safety data sheet before use. Wash and clean up thoroughly with soap and water after handling.

APPLICATION METHODS

Conventional

- Fluid Pressure: 10 – 20 psi, Tip: .040"-.045"
- Atomization Pressure: 45-60 psi, Airless... Pressure: Adjust as needed
Tip: .013" - .017"

HVLP

- Brush, Roller or Dip

SPECIFICATIONS

Apply to 2.0 - 2.5 DFT as a DTM.

Apply 1.0 - 1.5 DFT with AQ610 Primer at 1.0 DFT.

Reduce with a maximum of 5% water (*DO NOT THIN WITH SOLVENTS*)

SURFACE PREPARATION

Minimum SSPC-SP2

RECOMMENDED SPREAD RATE PER COAT

	Minimum	Maximum
Wet mils (microns)	4.0 (100)	8.0 (200)
Dry mils (microns)	2.0 (50)	4.0 (100)
Coverage ft ² /gal (m ² /l)	200 (5)	400 (10)

PERFORMANCE CHARACTERISTICS

Scratch Resistance Method ASTM D3363	Result:	H, No visible damage
Adhesion Method ASTM D4541	Result:	350 psi
Flexibility Method ASTM D522 3/8"	Result:	180° bend passes

DISCLAIMER

The information contained in this bulletin is, to the best of our knowledge, true and accurate; but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.