



TECHNICAL DATA SHEET
UW2173 AQUA-FLON
TWO COMPONENT WATER BASED EXTERIOR FINISH

DESCRIPTION

UW2173 AQUA-FLON is a premium fluoropolymer based, two-component, waterborne polyurethane finish with excellent durability and chemical resistance.

UW2173 AQUA-FLON contains low VOC levels (< 50 g/Litre), which conforms to Green Star TVOC Limits for Industrial Performance Coatings

UW2173 AQUA-FLON can be used in areas such as fascias, cladding, tunnel linings and etc, where properties such as dirt pick up resistance and marking resistance, as well as ease of cleaning is required.

**AVAILABLE
COLORS
/ GLOSS**

: 0925 Red, 1010 Bright Red, 1102 Maroon, 1980 Violet, 2616 G/S Blue, 2730 Blue, 3300 Green, 4026 Primrose, 4095 Med. Yellow, 4621 Yellow Oxide, 5870 Scarlet, 6219 Red Oxide, 7023 White, 7500 Black, Clear
All colors are available in full gloss(> 80 %), semigloss (40 - 50%), satin (25 - 30%) and matte (10 - 15%)
A selected range of tinted colors is also available.
ALL PIGMENTS USED ARE LEAD FREE.

PROPERTIES

Chemical Resistance Because of its Fluoropolymer Backbone, UW2173 AQUA-FLON exhibits a high degree of chemical resistance.

Solvent Resistance When fully cured, UW2173 AQUA-FLON, is resistant to most common solvents (alcohols, ketones, esters, and hydrocarbons), therefore facilitating removal of dirt, grime, airborne particulate pollution, graffiti, etc.

**Abrasion
Resistance** Excellent

**Temperature
Resistance** Excellent to >100°C

Yellowing UW2173 AQUA-FLON is designed via aliphatic polyurethane technology and is considered non-yellowing

Durability High durability because of its excellent dirt pick-up resistance and non-stick surface.



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APPLICATION DATA:

Recommended Film Build 50 - 75 microns wet per coat
Coverage 5 - 6 sq metres/Litre

Mixing Ratio Mechanically mix 5 Parts "A": 1 Part "B" by volume.
When the two components are thoroughly mixed, allow to stand for
10 - 15 minutes before straining.
Reduce to the required application viscosity with up to 10% of water.

Application Method Conventional spray gun with a 2 mm tip at a pressure of 350 - 600 Kpa
Airless or Air assisted spray guns are also suitable with the correct set up.

Do not apply if the ambient temperature is below 15 °C or above 40 °C,
or the Relative Humidity is above 80%

Pot Life at 25 °C 4 hours

Equipment Clean Up Use water to clean all application equipment.
Wash water must NOT be disposed of via sewerage or stormwater drains, but
should be disposed of by licensed waste disposal contractors.

Drying at 25 °C Dust Free 30 - 40 minutes
Touch Dry 2 hours
Print Free 4 - 5 hours
Drying may be accelerated by elevating cure temperatures (40 - 60 °C).

Recoating Because of its chemical nature and its high resistance to solvents,
UW2173 AQUA-FLON must be thoroughly sanded with a fine grade of paper
and totally de-glossed prior to recoating to ensure intercoat adhesion.

SPECIAL NOTE

UW2173 AQUA-FLON is a specially formulated Waterborne coating, and requires different application
techniques to conventional two-component, solvent based polyurethanes.

End users should ensure that their application equipment is set up to give optimum application and
performance for this product.

SHELF LIFE 12 months at 25 °C in original sealed containers

PACKAGING Part "A" : 4 litre, 10 litre, and 20 litre plastic pails.
Part "B" : 1 litre, 2 litre, and 4 litre metal screw top cans.

This data sheet is based on information in BC Coatings possession at date of issue.
BC Coatings supplies its products only on condition that the consumer is satisfied as to the performance of the
product in meeting his particular requirements.