



Aqualoc GREY TOPCOAT

(for ponding water)

PRODUCT DESCRIPTION

Aqualoc GREY TOPCOAT

is a unique water-based elastomeric coating specifically designed to achieve optimum adhesion over new or existing smooth modified bitumen or other asphaltic roof substrates. In combination with a topcoat of Aqualoc Ceramic Top Coat it effectively extends the life of the roof. It provides a waterproof barrier with excellent resistance to blistering under prolonged ponded water exposure, while blocking bleed-through of asphaltic oils.

Aqualoc GREY TOPCOAT has approximately five times the adhesion of typical elastomeric acrylic coatings over asphalt-based roofing.

Aqualoc GREY TOPCOAT combines acrylic polymers with reinforcing laminar pigments and non-migrating fire retardants for superior physical properties, durability, and weatherproofing. The fire retardant chemicals are permanently locked into the cured coating and will not leach out upon extended weathering. **Aqualoc GREY TOPCOAT** is a “breathable” coating, allowing moisture vapor to pass through the film while remaining impervious to mass water penetration.

BASIC USES

The **Aqualoc GREY TOPCOAT** System was developed to extend the life of conventional built-up, modified bitumen, TPO and composite shingle roofs.

Aqualoc GREY TOPCOAT is also effective in increasing the adhesion over TPO substrates. Once coated, the substrate is protected from further degradation caused by normal weathering, aging and ponded water conditions.

Aqualoc GREY TOPCOAT forms a waterproof elastomeric seal, uniformly covering the textured profile of the surface and forming a permanently flexible buffer between the substrate and topcoat.

COLORS

ROOF MATE LP is available in Light Gray.

TYPICAL PROPERTIES

1. Solids by Weight:

62% (± 2) [ASTM D1644]

2. Solids by Volume:

52% (± 2) [ASTM D2697]

3. Dry Time for Foot Traffic Resistance:*

2 hours - Light Gray @ 16 mils wet (406 microns)

5 hours - White @ 16 mils wet (406 microns)

@ 70°F (21°C), 50% R.H. [ASTM D1640]

*Dry times will increase with higher humidity or lower temperature

4. Ultimate Tensile Strength:

70 psi (± 10) (0.5 MPa) @ 70°F (21°C)

[ASTM D412]

5. Elongation at Break:

700% (± 50) @ 70°F (21°C) [ASTM D412]

6. Hardness:

55 to 65 Shore A [ASTM D626]

7. Bond Strength:

Passes ASTM D6083 on smooth SBS modified bitumen

and BUR, and exceeds adhesion requirements for APP modified bitumen [ASTM C794]

8. Permeance:

3.0 U.S. perms @ 20 mils (508 microns)

[ASTM D1653]

9. High Temperature Stability:

No age hardening or slump when heated to 250°F (121°C)

10. Cold Temperature Flexibility:

Passes 180° mandrel bend at 30°F (-1°C)

[Federal Test Method No. 141a-6221]

11. Volatile Organic Content (VOC):

40 grams/liter (calculated)

12. Temperature Limits for Normal Service Conditions:

-30°F to 200°F (-35°C to 93°C)