



Foam & Coating Systems, Inc.

Badger Black

Product & Features

Badger Black is a single component, liquid applied, bitumen modified, coal tar free, moisture cured polyurethane waterproofing membrane.

Features

- Economical
- User Friendly
- Labor Saving
- Meets the Criteria of ASTM C836 and E96
- Resistant to Bacteria
- User Friendly

Typical Uses

- Foundation Walls
- Basements
- Between Slabs
- Bridges
- Planters
- Shower Pans
- Tunnels

Color

Black

Packaging

5 Gallon Pail, 55 Gallon Drum

Technical Data

Hardness, ASTM D2240	50 ± 5 Shore A
Tear Resistance, Die C, ASTM D624	70 ± 20 pli
Tensile Strength, ASTM D412	450 ± 50 psi
Ultimate Elongation, ASTM D412	2500 ± 50%
Specific Gravity	1.28 ± 0.1
Total Solids by Weight, ASTM D2369	95 ± 3%
Total Solids by Volume, ASTM D2697	94 ± 3%
Viscosity at 80°F	5000 ± 2000 cps
Volatile Organic Compounds, ASTM D-2369-81	0.83 lb./gal
Service Temperature	-25°F to 200°F

Coverage

The approximate coverage is 2 gallons/100 per sqft or 100 sqft/gallon which results in a dry film thickness of 28 mils. Coverage rate will depend on surface roughness and porosity.

Surface Preparation

Joints, Cracks and Flashing:

Apply a stripe coat of Badger Black over all cracks up to 1/16" width. All cracks over 1/16" width must be caulked with a polyurethane sealant.

All metal flashings must be primed with manufacturer's recommended primer.

Mixing

Before application, Badger Black should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material. Do not mix in an up and down motion.

Application

Badger Black may be applied with a brush, squeegee, trowel, roller or airless sprayer. Over smooth surfaces, such as poured-in-place concrete, apply Badger Black evenly in two 30 mil coats. Badger Black can be applied at any thickness.

A manufacturer approved reinforcing fabric may be applied into the wet coating if desired.

Membrane Protection

As soon as possible after completion of a successful water test or visual inspection and/or repairs, cover membrane with approved protection board or geotextile drainage composite. All horizontal and vertical membrane must be protected.

Curing

At 75°F (24°C) and 50% relative humidity. Typical cure time 12-24 hours.

Cure time will vary depending on temperature and humidity. If more than 48 hours pass between coats the surface must be re-primed.

Badger Black is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils.

Clean up

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Limitations

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

Storage

Badger Black has a shelf life of one year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F.

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Manufacturer of High Performance Foam/Coatings & Application Equipment

800-625-9577

920-294-6800

920-294-6830 Fax

575 Commercial Ave., Green Lake, WI 54941

www.oakridgepoly.com



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800-625-9577 920-294-6800 920-294-6830 Fax
575 Commercial Ave., Green Lake, WI 54941 www.oakridgepoly.com