

FRAME BACK COATING (BITUMINOUS ALTERNATIVE) CERTIFICATION AND BENEFITS:

Steelcraft Frame Back Coating is UL certified up to 3-hours in fire rated masonry applications. The back coating is to be applied by distributors in their shop or in the field for the purpose of creating a secondary barrier to resist corrosion from moisture on the interior of frames (frame throats) prior to grouting masonry frames.

We offer this coating in an aerosol spray can as well as (1) one-gallon and (5) five gallon pails which can be applied by spraying or brushing.

Steelcraft's Frame Back Coating is a bituminous alternative. It is a specially formulated, modified asphaltic emulsion with significant advantages over traditional bituminous coatings which can be hazardous, difficult to apply and messy.

Benefits include the following:

- **Non-flammable (UL certified up to 3-hours in fire-rated masonry applications)**
- **Virtually odorless**
- **VOC & HAPS Free**
- **Waterborne Safe**
- **Dries Quickly**
- **Excellent Adhesion**
- **Sprayable**
- **Won't easily rub off**

TECHNICAL INFORMATION:

Composition: Waterborne Asphaltic Emulsion Coating (bituminous alternative)

Solids: 57-63%

Finish: Black, semi-gloss

Flash Point: None (flash point is the lowest temperature at which the emulsion can vaporize to for an ignitable mixture in the air)

Shelf life: 12 months

Storage: Suggested Storage temperature 50°F to 130°F.

DO NOT ALLOW BACK COATING EMULSION TO FREEZE.

Odor: Minimal

VOCs: None

HAPS: None

US DOT: Not Regulated

USAGE:

A quality corrosion-resistant coating should be applied to the interior of metal frames (frame throats) in circumstances where moisture might enter the frame, causing degradation of the frame. This is a particularly good practice when grouting frames with mortar in masonry applications. (Note grouting frames in drywall applications and using plaster-based grout is not recommended.)

Some of the common circumstances for grouting are listed here:

- Stability for heavy or frequent usage
- Security to deter break-ins where the frame might be compromised
- Sound deadening
- To increase frame anchorage strength

Industry guidelines recommend that the installer be responsible for grouting and any barrier coating required.

AIR DRY APPLICATION INSTRUCTIONS:

To obtain the best results, use the following information:

1. Steelcraft factory applied primer should be in place (See 10.5.1). Reapply as needed. Be sure primer is dry before applying back coating (normally 15-30 minutes for water-based primers in ambient conditions); Use the thumb test (put full weight behind thumb against surface and twist 90°).
2. Avoid applying back coating in extremely cold or damp weather – suggested temperature range is 50°F to 90°F. Best practice is to allow back coating and frame to warm to room temperature before applying. Agitate (shake/stir) prior to use. Water may be added to thin as needed, but care must be taken as this may change dry times, DFT (dry film thickness) and/or ability of coating to provide the proper corrosion resistance.
3. No scuffing is recommended when applying back coating over Steelcraft Primer.
4. Make sure the Surface is clean, dry and free of grease, rust and wax. Do not use strong cleaning agents, acids or lacquer thinner. Do not use oiled or tack rags to dry frame surfaces.
5. Mask off or protect areas from overspray, if necessary.
6. Apply frame back coating by spraying or brushing.
7. At installation, it is recommended to touch up areas of the frame with Steelcraft Primer and Back Coating in order to cover any bare metal on the inside of the frame to avoid corrosion. Reference (1) above.
8. Recommended application of coating is to spray or brush at 5-6 mils WFT (wet film thickness) for a cure to 3 mils DFT (dry film thickness). A minimum 2.5 mil DFT should be held to avoid performance issues and a maximum 5 mil DFT to avoid sagging. Results may vary depending upon specific application and conditions.
9. Allow to dry to touch/non tacky (10 minutes in ambient conditions) before applying a second coat, if necessary.
10. See product packaging for further recommendations. Technical support can be reached at 877-671-7011, option 2, then option 5.

Note:

Information, recommendations and suggestions provided on this page may differ based on specific material, conditions and other variables.