FIREBOND® Concentrate

Bonding agent

Product Description

FIREBOND® is an Underwriters Laboratories Inc. (UL) classified bonding agent approved for use with any of the fire protection products manufactured by GCP. FIREBOND® is water based, nonflammable and ready to use. FIREBOND® is classified for use with GCP fire protection products in accordance with ASTM E119 and E84 and listed in the UL Fire Resistance Directory, category CBUI encapsulants.

Use

FIREBOND® may be used as a bonding agent or surface sealer for the following applications:

1. As a bonding agent over polystyrene or urethane foam insulation prior to application of MONOKOTE® Z-3306 Thermal Barrier.
2. As a bonding agent over primed/painted structural steel (columns and beams)1 prior to application of MONOKOTE® MK-6/HY, MK-6s, Z-106/HY and Z-146.
3. As a bonding agent over concrete floor and/or roof units (including slab, panjoist, hollow-core or precast plank or TEE units) prior to application of the products listed in item 2.
4. As a surface sealer (where specified) over any of the above products. Coverage rate requirements will vary based on the project requirements. Where specified, a surface sealer shall be installed in one or more coats in such a manner that the sealer does not saturate the fire protection product. The fire protection product shall be substantially dry prior to sealer application.

Application

FIREBOND® can be applied with most major brands of airless latex paint spray equipment. FIREBOND® may also be applied with a common garden sprayer, paint brush or roller.

Coverage:

FIREBOND® at full concentrated strength — up to 24.54 m^2/L (1000 ft^2/gal)
FIREBOND® diluted 1:1 (with water) — up to 12.27 m^2/L (500 ft^2/gal)

Clean Up

Clean tools and drippings with warm soapy water before FIREBOND® dries.

Physical Properties

PROPERTY	TYPICAL VALUE
Volatile	Water
Actual VOC content	14.3 ± 10 g/L
Average particle size	0.2 microns
Flash point	Noncombustible (water-based)
Odor	Similar to latex house paint
Shelf life at 25.6 °C	36 months minimum, (in originally factory sealed containers)
Weight per gallon at 25.6 °C	4 kg (8.8 lbs)
Dry time at 25.6 °C to touch:	1–2 hours Additional coats: (when dry)
Fire rating ASTM E84	Class “A”
Flame spread	5
Smoke developed	5

Warranty

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable. However, since the conditions of use and application are beyond our control, GCP shall not be liable for any damage, direct or consequential, resulting from the use of this material or design. GCP's only warranty shall be to replace any of its products found to be defective.

Safety

KEEP OUT OF REACH OF CHILDREN. Keep from freezing. Do not store at temperatures above 37.8 °C (100 °F).

Availability

GCP is the exclusive supplier of FIREBOND® Concentrate

DESCRIPTION	VOLUME
19 L (5 gal) pail	18.942 cm^3 (1.155 $in.^3$)
208.2 L (55 gal) drum	208,197 cm^3 (12.705 $in.^3$)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

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