



ARMSBHDX

SURFACE BOND HD ASPHALT AND CONCRETE COATING

PRODUCT DESCRIPTION

Surface Bond HD is a self-priming 100% acrylic water based emulsion designed to provide an exceptionally durable pavement color coating. It's unique crosslinking technology provides durability normally associated with hot melt thermoplastics and epoxies. Surface Bond HD provides superior fuel resistance and is fortified with sand for slip resistance.

Surface Bond HD is designed to protect and beautify asphalt pavement surfaces and concrete including roadways, streets, driveways, parking lots, walkways, golf cart paths, amusement parks, and more.

IMPORTANT: Do not apply to pavement surfaces that have previously been sealed with coal tar or asphalt based sealers.

CHEMICAL AND PHYSICAL ANALYSIS

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| RESIN | 100% ACRYLIC EMULSION |
| % SOLIDS BY WEIGHT | >77% |
| % SOLIDS BY VOLUME | >66% |
| WEIGHT PER 5 GALLON PAIL | 57 LBS |
| % NON-REACTIVE FILLERS | <38% |
| % SILICA SAND | >15% |
| VOC CONTENT | <75 G/L |
| BOILING RANGE | ABOVE 212°F |
| VAPOR DENSITY | HEAVIER THAN AIR |
| FLASHPOINT ASTM D 3278 | >201°F |
| HAZARDOUS INGREDIENTS | NONE |
| VISCOSITY @ 70°F (20°C) | 95-110 KU |
| MIX RATIO (COATING:LIQUID TINT) | 4 GAL:1 PINT |
| DRY MIL THICKNESS PER COAT | 20-25 MILS |
| COVERAGE PER 5 PAIL | APPX. 240-280 SF (4 GAL NET) |
| NUMBER OF COATS REQUIRED | MIN 2. 3 RECOMMENDED |
| DRY TIME (TO RE-COAT) @ 50°F (10°C) | 45 MIN |
| DRY TIME (TO RE-COAT) @ 90°F (32°C) | 25 MIN |
| 85% CURE (TO PERMIT TRAFFIC) @ 50°F (10°C) | 5 TO 7 HOURS |
| 85% CURE (TO PERMIT TRAFFIC) @ 50°F (10°C) | - |
| 85% CURE (TO PERMIT TRAFFIC) @ 50°F (10°C) | 1 TO 3 HOURS |
| A STM 2486 SCRUB RESISTANCE (30 DRY MILS) | 6000 CYCLES TO MAX LOSS OF 50% COATING THICKNESS |
| TEMP. LIMITS FOR SERVICE (OF CURED MATERIAL) | -40°F TO 150°F |
| FRICTION USING A LOCKED WHEELED TESTER AT 30 MPH | >50 FN30R |
| PEDESTRIAN FRICTION ASTM E303 BRITISH PENDULUM | >75 BPN |

USES

Surface Bond HD designed to protect and beautify asphalt pavement surfaces including roadways, streets, driveways, parking lots, walkways, golf cart paths, amusement parks, and more.

COMPOSITION

100% acrylic water based emulsion coating featuring a unique crosslinking technology that provides exceptional durability. Mineral fillers and surfactants are added for additional product performance

PACKAGING

Sold in 5 Gal Pails consisting of 4 Gal of base coating and 1 pint of liquid color tint

COLOR

See Surface Bond HD Color Chart for Available Colors

LIMITATIONS

DO NOT APPLY when surface or ambient temperature is below 50°F. Do not apply if temperature is expected to drop below 50°F at any time within a 24 hour period after application. **DO NOT apply to previously coated surfaces that have been sealed with asphalt type sealers. This product can only be applied to concrete or regular asphalt that was not previously sealed, or was sealed with an acrylic sealer**

PHYSICAL AND CHEMICAL PROPERTIES

Surface Bond HD is a highly durable pavement coating that meets the following material requirements when tested in accordance with ASTM D1475, ASTM D3960, ASTM D562, ASTM D711, ASTM D2486, ASTM D4585, ASTM D2243, and ASTM D2369 (see chemical and physical analysis chart).

ENVIRONMENTAL CONSIDERATIONS

Surface Bond HD is an environmentally friendly 100% acrylic emulsion coating containing less than 75 grams per liter volatile organic content (VOC).

WARRANTY AND DISCLAIMER

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.



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PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE APPLICATION BEGINS. FAILURE TO DO SO CAN RESULT IN PRODUCT FAILURE.

PREPARATION

All surfaces must be clean, dry and free of loose particles. If applying over concrete use a muriatic etch and then power wash the floor to balance the PH level of the floor. Ensure to never apply when the floor is wet. The coating can be applied with standard nap roller and squeegee. Pavement surface repairs should be made with a suitable hot or cold asphalt mix. Cracks should be filled with acrylic base crack filling products. **DO NOT USE HOT APPLIED CRACK FILLING MATERIALS.**

MIXING

The Surface Bond HD is a one part ready to use coating with tint additive. Add 1 pint of color per 5 gal unit. Once pigment is added mix up the 5 gal pail with a metal/slurry mixer for 5 minutes before use to ensure even color consistency and aggregate disbursement. If needed, a small amount of water can be added to facilitate application.

APPLICATION

If using on stamped concrete it's best to use a thick NAP roller such as 1/2" - 3/4" NAP. Otherwise a standard 1/4" or 3/8" NAP roller is suitable. Apply first coat of Surface Bond HD to substrate. Wait for first coat to dry (25-45 mins depending on temperature and RH). Once the first coat is dry proceed with applying a second coat of the Surface Bond HD. 2 coat minimum recommended however if substrate is heavily damaged pitted, corroded or needs additional coats follow the same procedure as described above. **NOTE: If using on concrete it's best to use the Adhesion Promoter first to ensure proper bond of Surface Bond to concrete. Contact your local sales rep for pricing and availability.**

COVERGAE RATES

Each 5 Gal Pail (4 Gal Net) will yield appx. 60-70 SF per gal or 240-280 SF per pail. Please note coverage will vary depending on surface porosity and application method. Extremely porous pavement and substrates will result in reduced coverage rates.

PRECAUTIONS

Both surface and ambient temperature shall be a minimum of 50°F. Temperature shall not drop below 50°F in a 24 hour period following application. New asphalt surfaces shall be completely free of oils prior to coating. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures. **DO NOT APPLY when surface or ambient temperature is below 50°F. If temperature is expected to drop below 50°F at any time within a 24 hour period after application dry times may be longer. DO NOT apply to previously coated surfaces that have been sealed with asphalt type sealers. This product can only be applied to concrete or regular asphalt that was not previously sealed, or was sealed with an acrylic sealer.**

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.