

BITUBOND

Roofing Adhesive

DESCRIPTION

BITUMAT BITUBOND is a specially formulated liquid cold applied adhesive made from select ductile bitumen, pure petroleum solvents, strong fibres, mineral stabilizers and special tackifying agents and adhesion additives.

USES

BITUMAT BITUBOND is designed for use in cold process built-up roofing systems as the cementing material bonding various plies. It can also be used as lap cement, seldedge cement and insulation adhesive. It is also suitable as an adhesive for cement floor tiles. It is not recommended for use with hot mop or any-coated roofing felt. It should not be used with polysterene insulation.

OUTSTANDING FEATURES

- Due to its special formulation BITUMAT BITUBOND has optimum adhesion and bond strength.
- Durable under typical roof movements, thermal expansion and contraction.
- Special tackifying agents and solvents are used to improve the interply adhesion.
- Being highly resistant to heat, it can withstand temperatures up to 60°C.
- Excellent cold temperature pliability, hence will not crack, chip or peel.
- Easy to apply, requiring no mixing, heating or thinning, thereby saving labour costs.

INSTALLATION

APPLICATION

The surface must be clean and smooth. The roofing felt must be clean, dry and wrinkle free. When using directly over concrete, prime the surface with BITUMAT BITUPRIME and allow the primer to cure overnight. It can be applied by roofing brush, squeegee or airless spray equipment at the recommended coverage rates.

CLEANING

- Tools : Clean with kerosene
Hands : Use a hand cleaner or kerosene followed by soap and water.

COVERAGE

- Over concrete : 0.6 - 0.8 L/M²
Over coated roofing felt : 0.6 - 0.8 L/M²

STANDARDS

Conforms to ASTM D 3019, Type III

PACKING

20-litre pails and 200-litre drums.

HEALTH & SAFETY

Flammable;contains petroleum distillate. Keep away from open fire, sparks or other ignition sources. Wear protective clothing, gloves and goggles.

1. Fire - Flammable when wet, flash point 40°C
2. Skin - Avoid repeated or prolonged contact. Remove with hand cleaner that removes oil or grease, then clean with soap and water.
3. Eyes - Contact could cause irritation. If contact occurs, flush with clean water.
4. Inhalation - Can cause dizziness. Remove to fresh air. If breathing difficulty persist, administer oxygen.

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TECHNICAL DATA

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	<i>Property</i>	<i>Typical Result</i>	<i>Test Method</i>
1.	Density, at 20°C., Kg/Liter	0.98 - 1.04	ASTM D 70
2.	Viscosity at 25°C., cps	12,000 - 100,000	Brookfield
3.	Dry film thickness, Liter/M ² , mm	0.6	-
4.	Drying time, to touch, at 25°C, Hrs.	2	-
5.	Drying time, to touch, at 25°C, Hrs.	24	-
6.	Colour	Black	-
7.	Adhesive strength, - After 1 Hr. - After 24 Hr.	40 80	ASTM D 3019 ASTM D 3019
8.	Cold temperature pliability at 0°C	No cracking or peeling	ASTM D 4479
9.	Resistace to heat at 60°C	No sagging or blistering	ASTM D 4479
10.	Resistace to sulight (UV) (Weather-O-Meter, 2000 Hrs.)	Pass	ASTM G 53
11.	Resistance to mild acids and alkalis	Good	Immersion
12.	Service temperature, °C	0 to 90	-
13.	Non-Volatile, % Wt.	65-70	ASTM D 3019
14.	Volatile, % Wt.	30-35	ASTM D 3019
15.	Mineral stabilizer, fibers and adhesion additives, %	15(min.)	ASTM D 3019
16.	Bitumen content, % Wt.	50-55	ASTM D 4

The information given in this Technical Data Sheet reflects typical median properties based on laboratory test, and practical experience; subject to the tolerance levels of UEAtc directives. However, as the product is often used under conditions beyond our control, we can't warrant but the product itself.

THIS PUBLICATION AUTOMATICALLY SUPERSEDES ALL PREVIOUS PUBLICATION RELATING TO THIS PRODUCT.