

RamTough KLB-100

SEBS Hot Rubberized Asphalt



Description

RamTough KLB-100 SEBS rubber material's web-like molecular structure creates a microscopic, elastic network of strong, rubberized strands with tough, interlocking styrene end blocks. During the polymerization process, the polymer network absorbs the asphalt light ends, producing a rubberized waterproofing material with properties that are far superior to regular oxidized roofing grade asphalt.

RamTough KLB-100 when combined with appropriate modified bitumen membranes, polyester or fiberglass ply sheets or cap sheets, delivers a compatible composite roofing membrane with extraordinary toughness, puncture and impact resistance. RamTough KLB-100 is also recommended for buildings intolerant of water intrusion for high performance requirements. When the building design requirements are for a long-life cycle, RamTough KLB-100 is a cost-effective solution.

Uses

Built-up roofing
 Plaza deck waterproofing systems
 Protected membrane roofs (IRMA®)*
 Green Roof Roofscapes®
 Vertical waterproofing applications
 Parking decks, bridges, water treatment plants
 Between slab waterproofing membrane systems

Properties

| Description | Test Method | Value |
|---|-------------|--------------|
| Softening Point (°F) | ASTM D-36 | 190-220°F |
| Flash Point (°F) | ASTM D-92 | 500°F (min.) |
| Viscosity, Brookfield Model Hat probe #1 @50 RPM | ASTM D-3236 | 75-250 cP |
| Penetration, Units@ 77°F | ASTM D-5 | 30-60 dmm |
| Heat Resistance Penetration 77°F, 100 g, 5 sec. | ASTM D-5 | -5 to +12 |
| Elongation (%) | ASTM D-412 | 900% min. |
| Recovery from 300% | ASTM D-412 | 80% min. |
| Flexibility Low Temp | ASTM D-3111 | Pass at 0°F |

Heating Equipment & Guidelines

A double-jacketed, hot-air or oil bath melter with mechanical agitation, specifically designed for rubberized asphalt materials is required. Maintain oil-bath at approximately 500°F and material temperature at 375°F to 400°F, with constant agitation. Do not overheat RamTough KLB-100. Overheating will cause RamTough KLB-100 to cross-link and line the walls of the melter, adversely affecting the equipment and the material performance properties.

It is also important not to hold RamTough KLB-100 material at elevated temperatures for prolonged periods of time as this will also cause some polymer degradation. A target of not exceeding four hours at 400°F under heat should be adhered to.

Limitations

RamTough KLB-100 should not be left exposed or subjected to unprotected construction traffic. Do not install this product over lightweight structural concrete of less than 3000 PSI (6.89 kN/m²) without prior written acceptance from Barrett. Lightweight insulating concrete and insulation boards are not acceptable substrates.

Packaging

50 lbs./carton
 40 cartons per pallet

LIMITED WARRANTY: Barrett warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Barrett makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to The Barrett Company, LLC. Barrett to replace or to refund the purchase price of the quantity of Barrett proven to be defective, and Barrett shall not be liable for any loss or damage.

20.1
 Document: KF-01007



800 | 647 | 0100
 F 908 | 647 | 0278