



DUASPHALTUM

(HOT APPLIED LIQUID MEMBRANE)



DESCRIPTION

DUASPHALTUM is a high performance high build hot applied liquid membrane based on polymer modified bitumen. **DUASPHALTUM** forms a highly elastic film that adheres well to common substrate like concrete, cement blocks and existing roof membrane.

FEATURES AND BENEFITS

- Non- flammable and non-toxic
- Resistant to water vapor and dilute chemicals
- No health hazard
- Highly flexible
- Forms a tough, elastic and seamless coating upon drying
- Resistant to high and low temperatures
- Solvent free, non-fire hazard
- Compatible on various metal and concrete substrates
- Excellent adhesion on damp and dry surfaces

SPECIFICATION AND COMPLIANCE

DUASPHALTUM conforms to the requirements of ASTM, UEAtc and other relevant International Standards.

MAIN USES

DUASPHALTUM is used as:

- Built-up roofing system
- Adhesive to install polymer modified Bitumen membrane where torching is objectionable
- Protective coating for concrete, timber and metal structures.
- Various exposed roofs and built up roofs (concrete, cement, asphalt, lightweight screed or timber)
- Water proofing of concrete and block foundations, retaining walls, basements and wet areas such as kitchen, toilet floors and balconies
- Excellent vapor barrier for walls, floors and roofing structure

QUALITY ASSURANCE AND WARRANTY

Duproof is ISO 9001 Quality Assured Company and DUASPHALTUM carries a material warranty against any manufacturing defects.



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METHOD OF APPLICATION

Clean the surface to be applied without any dust, dirt, oil, grease and any loose particles. It is recommended to apply **DUPRIME** (ASTM D41) and allow to dry. The drying time (0.5 – 3.0 hrs) depends on the porosity of the substrate and the environmental conditions. **DUASPHALTUM** is melted in a bitumen boiler (double walled kettle) fitted with mixing stirrer. The kettle temperature is maintained at 160 - 170°C. Do not over heat above 180°C. Mix the melt for at least 30 minutes before use. The molten **DUASPHALTUM** is applied on to the substrate gently and uniformly without entrapping air. The recommended coverage rate is 2.0 – 3.0 kg/m² that provide min 1.5 mm thickness.

PACKING AND STORAGE

DUASPHALTUM is available in 15 kg siliconized boxes, palletized and strapped. Pallets containing the boxes should not be stacked one over the other.

HEALTH AND SAFETY

There are no direct health hazards associated with the product; care has to be taken while heating and application. All relevant safety equipments to be used while using the material. Do not overheat the material above the safety limit

TECHNICAL DATA

PROPERTY	TYPE II	METHOD
Softening Point (°C)	85 – 100	ASTM D 36
Penetration @ 25°C (dmm)	20 – 40	ASTM D 5
Application temperature (max) Safety Overheating	160 – 170 °C	--
Adhesion to concrete	Excellent	--

CLEANING OF TOOLS

Keep the scrapper/wiper in heated boiler at all times to keep them clean.

Tolerances on nominal values shown are as per UEAtc directives for polymer modified bitumen membranes. These data are correct at the time of printing but may be changed without any prior notice subject to clients requirements availability of raw materials or other conditions. This data sheet supersedes all previous publications pertaining to this product. All reasonable care has been taken in preparing this document, which to the best of our knowledge is accurate and true. Recommendations and suggestions are made in good faith and should only be considered for general guidance. No liability is assumed or taken by us in relation to the application, as usage conditions and any labour involved are beyond our control.