

**DESCRIPTION**

BLUESTUFF is a single component liquid applied, waterbased waterproofing membrane.

BLUESTUFF uniquely combines the features of a sealer and an elastomeric waterproofing membrane. Its high solids and low viscosity make this material effective for waterproofing and sealing concrete, asphalt, wood, metal and other common surfaces. **BLUESTUFF** is easy to apply and when cured, it provides a tough, highly flexible seamless membrane, with excellent adhesion to most substrates. **BLUESTUFF**, when fully cured, is highly resistant to water and salts. **BLUESTUFF**, is waterbased and does not contain any volatile or harmful solvents, thus eliminating health and environmental considerations during application.

FEATURES

VCC - (VISUAL COVERAGE CONTROL) unique formulation simplifies assurance of proper coverage. When applied to the proper wet film thickness **BLUESTUFF** dries to an ocean blue colour. Insufficient coverage will show up as a translucent lighter blue indicating where additional material is required.

LOW PERMEABILITY - prevents water liquid and inhibits moisture/vapour passage through porous building materials, such as cast-in-place concrete and concrete block.

HIGHLY FLEXIBLE - bridges cracks which may form in the substrate.

ENVIRONMENTALLY COMPATIBLE -**BLUESTUFF** is non-toxic through the use of advanced polymer technology which allows for simple, safe application and easy clean-up.

LIQUID APPLIED - simplifies detailing and assures a monolithic, seamless membrane when applied to a rough or smooth surface.

SPRAYABLE - with appropriate airless spray equipment - low application cost.

EXCELLENT ADHESION - Bonds firmly to the substrate even when applied over damp surfaces.

USES

BLUESTUFF has been specifically formulated as a waterproofing membrane. It may be applied to all common surfaces and is suitable for both new construction and restoration.

Typical applications include below grade foundation wall waterproofing, horizontal, sloped and vertical surfaces such as:-

Below grade walls
Mechanical rooms
Between slab
Shower rooms
Planters
Reflection pools
Podium decks
Balconies
Reservoirs and tanks
Asphalt, tiles etc.

**LIMITATIONS**

BLUESTUFF is not designed to perform as a membrane for permanent exposure to UV or heavy traffic. In such applications, the use of **BLUESTUFF** in combination with traffic topping wearing course or exterior weather resistant surface is required.

Do not apply when surface and air temperature is below 1°C (35°F). Fresh membrane must be protected from freezing or heavy rain. Do not apply when rain or severe drop in temperature (below 0°C) is imminent. Material may be water damaged in the early stages of cure.

PROPERTIES

Solids (wt%)	51
Colour & Appearance Wet	sky blue, soft cream (V) or creamy liquid (H)
Colour & Appearance Cured	ocean blue, strong, flexible translucent film
Bond Strength (Elcometer) (to concrete)	>95 psi (>0.66 MPa)
Tensile Strength (ASTM D412)	390 psi (2.73 MPa)
Elongation (ASTM D412)	340%
Hardness Shore A (ASTM D2240)	77
Water Vapour Permeance (ASTM E96. Procedure B)	0.5956 perms or 34.2 ng/pa.s. m ²
Plastic Flow (@60°C for 5 hrs) (concrete substrate)	none
Low Temperature Flexibility & Crack Bridging (ASTM C957)	complies
Service Temperature	from -25°C (-13°F) to 95°C (201°F)
Application Temperature	Above 0°C (32°F)
Chemical & Environmental Resistance	Excellent resistance to salts, alkali, diluted acids, fungi, bacteria. Poor resistance to aromatic solvents.
Coverage Application Rate Wet Film Thickness Cured Film Thickness	13.94 m ² (150sq.ft) per 20 litre pail 60 mil (1.53mm) 30 mil (.77mm)

SURFACE PREPARATION

Substrate should be clean, sound, dry and free of any contaminants which may affect the membrane during or after cure. The presence of small amounts of moisture in the substrate (such as in concrete, not fully cured) will not be detrimental to the performance of **BLUESTUFF**.

**APPLICATION**

BLUESTUFF may be sprayed, brushed or trowel applied. Contact PennKote technical staff for recommended airless spray equipment.

CURING & DRYING

Allow material to dry at air and surface temperatures of 2°C (35°F) or higher. Curing times will be affected by relative humidity temperature and air flow. The following times are given for average conditions and standard thickness. Actual times may differ depending on specific conditions present on job at time of application.

tack free film	2 to 5 hours
60% cure	7 days
90% cure	28 days

It is recommended that **BLUESTUFF** be allowed to air dry to a tack free, ocean blue film before application of specified insulation, protection board or other cover.

CLEAN-UP

Uncured material can be cleaned using light soap and water. Cured material is best removed by xylol or by mechanical means.

STORAGE & HANDLING

Keep containers tightly sealed. Store in temperature range of 2°C to 30°C (35°F to 90°F). **KEEP FROM FREEZING.**

SHELF LIFE

Indefinite in original sealed properly stored container.

PRECAUTIONS

Keep out of reach of children. Avoid contact with eyes. Protect from freezing. Contact representative in your area or PennKote directly for further information.

TECHNICAL ASSISTANCE

Please contact PennKote Ltd. for specific details and/or data not outlined in this literature. Technical assistance from design through to product application available on request.

SPECIFICATION CLAUSE

Broadscope 07100, Narrowscope 07195

Waterproofing Membrane - **BLUESTUFF**, supplied by PennKote Ltd. or its Authorized Distributors.

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WARRANTY

PennKote Ltd. warrants its products against manufacturing and material defects. PennKote will, for a period of two years from the date of application, supply replacement material for product proven to be defective. This warranty is in lieu of any and all other warranties expressed or implied. Pennkote Ltd. and any Distributor or Retailer of this product accept no liability for incidental or consequential damage due to defective material or improper installation. The user shall determine the suitability of this product for intended use.