

110-14 Vapour Barrier Coating

Physical Properties

-Colour	Black	-Application Temp.	May be applied at low temperatures, preferably above 5°C (40°F)
-Solids by Volume	60% (approx.)	-Flammability	
-Weight	1.05 kg/l (approx.) (10.5 lbs./gal.)	Wet	Flammable
-Coverage	3 l/m ² (6 gal. /100 ft ²) per coat 3 mm (1/8") wet film	Dry	Burns
-Drying Time	@ 50% R.H. 20°C (68°F)	-Chemical Resistance	Non-resistant to oils and solvents. Resistant to mild acids and alkalis, salt and calcium chloride solutions. 3 mm (1/8") wet film.
Touch Dry	Dry Substrate		90% R.H. 38°C (100°F)
Firm Dry	4 hours	-Water Vapour Permeance (ASTM E96)	1.2 ng/Pa.m ² .s (0.02 perms)
-Service Temperature	48 hours		
	Minus 30°C to 95°C (Minus 22°F to 203°F)		

Description

A solvent type asphalt mastic vapour barrier coating designed to provide superior vapour barrier and weathering characteristics. Adhesion and chemical resistance are excellent. Available in spray, trowel or airless spray grades.

Uses

Used as a heavy-duty coating over rigid thermal insulation on tanks, lines and equipment where operating temperatures are below ambient summer temperatures. May also be used with heated equipment where thermal insulation is dry during application and the coated face is not subjected to temperatures above 95°C (203°F). May be used as a bedding compound for cavity wall insulation where a vapour barrier is required.

Limitations

Do not use in contact with plastic foam insulations that may be affected by solvents. Avoid using where solvent odours may taint food or other susceptible product.

Preparation

Insulation surfaces must be clean, free from surface irregularities, open joints. Prime dusty or porous insulating cement with **910-01 Primer** and allow to dry. Insulating cement must be completely dry before application of the coating.

Application

Standard - Apply by spray, trowel or glove a continuous coating of **110-14** at 3 l/m² (6 gal. /100 ft²). Smooth to a uniformly even finish to provide a continuous seal.

Application (con't)

Heavy Duty - Apply by spray, trowel or glove a continuous coating of **110-14** at 1.5 mm wet film or 1.5 l/m² (1/16" wet film or 3 gal. /100 ft²). Immediately embed **990-06 Yellow Jacket** woven glass reinforcing fabric into the wet coating, smoothing all wrinkles, lapping ends and edges at least 50 mm (2"). Apply a top coating of **110-14** at 2.5 mm wet film or 2.5 l/m² (3/32" or 4.5 gal. /100 ft²) ensuring that the reinforcing fabric is completely coated. Smooth to a uniformly even finish to provide a continuous seal.

Reinforcement

990-06 Yellow Jacket or other open weave synthetic fabric reinforcement may be used.

Clean Up

Clean tools and equipment with mineral spirits.

Caution

Contains flammable solvents. Take suitable fire precautions. Do not allow smoking or welding in working area. Keep away from heat and open flame. Use in well ventilated areas. Keep containers covered when not in use. Harmful if swallowed. <>