

INCELLCOAT

TDS03 Rev6 17/02/20

Insulative Coating System

DESCRIPTION

Westox Incellcoat is a water based, high build, flexible, insulative coating for use on surfaces where temperature control is required.

USES

Westox Incellcoat is designed to provide a durable, insulative and weatherproof system for use in a variety of areas fibrous cement sheets, factory roofs, farm buildings, mobile homes, silos, shopping centers and hospital roofs.

Most wall surfaces where internal temperature needs to be controlled for either more efficient air conditioning or general insulation.

Air conditioning duct coating.

FEATURES

- ✓ Fast application
- ✓ Excellent elongation and flexibility
- ✓ Top coat available in wide colour range
- ✓ Acrylic based, non-toxic
- ✓ Vapour permeable

TECHNICAL DATA

Pigment volume Concentration (PVC)	61	
VOC	38	
Volume of solids	64.5%	AS1580-301.2-90
Tensile Strength	2.27MPa	ASTM D2370-83
Chemical Resistance	Good	ASTM D2571-88
Water Vapour Transmission	6.114gms m ² – 24hrs	ASTM E 96-98
Bend Test	Pass	AS 580.402.1-92
Spread of Flame	0	AS 1530.3-1989

INSULATION DATA

Heat Transfer Test

- (a) One chamber coated with 600um Incellcoat.
(b) One chamber lined with R-2.5 insulation batts 75mm thick.

AVERAGE READING RESULTS FOR TEST ONE AND TWO

Test One

Ambient Laboratory	25.6°C	Ambient Laboratory	25.6°C
Coated Chamber	26.7°C	Insulated Chamber	27.6°C
Bottom Chamber (Uncoated)	52.2°C	Bottom Chamber (Uninsulated)	52.2°C

VARIATION ABOVE LABORATORY AMBIENT

- Chamber (a) 1.1°C to 1.6°C
Chamber (b) 2.0°C to 3.9°C

The summary of these tests showed that the 600 micron coating had better insulation by 0.9°C to 2.3°C than the insulation batt.

PREPARATION

The surface to be treated should be clean and sound, free from oil, grease, flaking paint, laitance and materials deleterious to the adhesion of the coating system.

All cracks exceeding 2mm in width are to be repaired before application commences.

Sound paint may be over coated.

New concrete should be a minimum of 28 days old before application commences.

Do not apply if temperature is below 10°C or above 35°C.

Do not apply coating if rain is imminent.

Not recommended for below grade waterproofing.

APPLICATION

Application by roller or spray to prepared and pre-primed surfaces.

PRIMER

Steel: Anti corrosive primer as per manufacturers specifications.

Existing coating: Westox Highblock C Primer.

Uncoated masonry, fibrous sheet and Concrete: Westox Highblock C Primer, Westox Wesprime or Westox WB 30 Primer, application as per Westox Data Sheet.

APPLICATION

Apply at the rate of 1m² per Litre.

Final Coat

Allow Westox Incellcoat a minimum drying time of 12 hours, before applying Westox WBA 9000 High Build Membrane at the rate of 2m² per Litre.

CLEAN UP

Clean up all equipment in fresh water, immediately after use.

PACKAGING

15 Litre.

SHELF LIFE

12 months.

SAFETY

Refer to Westlegate Pty Ltd Safety Data Sheet (SDS) for instructions.



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