

**DENSO FIRECHECK TOPCOAT**

DESCRIPTION	Water based fire retardant coating.
TYPE	Acrylic/Boron polymer blend
USE	To retard and reduce flame spread. The product is fully compliant to International fire safety ratings.
ADVANTAGES	<ul style="list-style-type: none">- Excellent adhesion to most substrates- Highly elastic, durable coating- Excellent exterior and interior durability- UV Resistant- Waterproof when cured- Resistant against a wide range of chemical agents- It can be used as a barrier coating

Denso Firecheck is a water based coating which forms a tough, flexible, chemical resistant membrane with outstanding fire retardant properties. Suitable for both internal and external applications, it achieves a high fire safety rating to international standards and is in compliance with ISO and British Standards test 476. Upon curing, it is completely waterproof and forms an effective defence against aggressive elements such as chlorides, acid gases and atmospheric pollution. It presents an effective vapour barrier and is suitable for use over a wide range of common substrates.

Available in a range of decorative colours, Firecheck is UV stable, so it remains highly elastomeric throughout its design life. Denso Firecheck complies with all the international asbestos control legislation.

**TYPICAL TEST DATA**

Service Temperature	-50°C to + 100°C. No change after cyclic testing
Minimum Application Temperature	3°C, providing this is above dew point
Drying Times	Approximately 2 hours in ideal conditions. At lower temperatures or conditions of high relative humidity drying time will be retarded. If in doubt, allow 24 hours between coats.
Permissible substrate moisture	20% wood moisture equivalent, as measured by protimeter
Storage temperature	Store in dry, frost free conditions above 0°C and below 35°C
Shelf life	2 years under preceding conditions
Viscosity	140 ku
Density	1,3+ / 0.03
Typical Dry Film Thickness	350 microns unreinforced. (see following section for application over asbestos)
Tensile Load	1,0kg/cm for 1cm wide strip (@ 350mic DFT)
Elongation	213% unreinforced
Water vapour permeability	Compliant with British Standards test 3177 (temperate) @ 350 mic 16,8g/m ² /day Compliant with British Standards test 3177 (temperate) @510 mic TB 92/F 11,9g/m ² /day
Accelerated weathering	Compliant with British Standards test 3900 5000 hours carbon arc TB 7/F No Change
Impact resistance	Compliant with British Standards test 3900 Part E3 TB 24/F withstands 5mm indentation on PIR foam without defect
Chemical resistance	Resistant to a wide range of reagents, even under total immersion conditions TB 6/F Salt spray to compliant with British Standards test 3900 part F4, 2500 hours TB 132/F no corrosion of substrate
Approx.. solids content	63,2% by weight 50,4% by volume Specific gravity : 1,32
Colour range	White, special colours on request
Pack sizes	5, 10 & 20 litres
Cleaning	Water. Dry paint may be removed with polar solvent like xylene and toluene.

MISCELLANEOUS TECHNICAL DATA (FIRE TESTS)

BS 476 part 3	FAA or SAA designation on polyurethane foam, polyisocyanurate foam bitumen
BS 476 part 5	“P” classification (not easily ignitable) on expanded polystyrene and gloss paint
BS 476 part 6	Low index and sub-index ratings (zero in some cases) on expanded polystyrene, gloss paint and plasterboard
BS 476 part 7	Class 1 rated on polyurethane and polyisocyanurate foams, mineral wool, expanded polystyrene, gloss paint, plasterboard, paperboard and asbestos cement. In conjunction with part 6, a class “0” rating.
DIN 4102	“B” rated on polyurethane foam. TB139/F, 217/F
ASTM E-84	Low rating in the tunnel test. TB305/D/F
Anti-static	Classed as anti-static coating in accordance with British Standards 2050. TB69/F
Coverage (unreinforced)	1 st Coat 3-4m ² /lt 2 nd Coat 3-4m ² /lt

Important

Winn & Coales / Denso SA (Pty) Ltd pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request.

Denso SA (Pty) Ltd operate a Quality Management System registered to ISO 9001:2008.

Head Office / Factory: 120 Malacca Road, Red Hill, Durban. P.O.Box 201259, Durban North, 4016, South Africa
Tel: +27 (031) 569 4319 Fax: +27 (031) 569 4328 Email: bid@denso.co.za Website: www.denso.co.za
