



PRODUCT DATA SHEET

WALL AND CEILING CLADDING



STORMCLAD

ABOUT STORMCLAD

STORMCLAD is a flat, solid PVC sheet. Specifically designed and manufactured for use in hygiene environments, STORMCLAD also offers excellent resistance to chemicals and is suitable for use in food industry applications. It can be easily formed, fabricated and used for digital or traditional printing.

STORMCLAD is suitable for use in a range of internal environments that require easy-to-clean surfaces. It is hard-wearing and colour-stable, has good impact resistance, excellent chemical resistance and exceptional fire performance. Effective for internal cladding in kitchens, food storage, preparation and processing areas and clean rooms.

SHEET THICKNESS AND SIZE

SHEET THICKNESS	SHEET SIZES
Ranging from 1.0-3.0 mm	1220 mm x 2440 mm 1220 mm x 3050 mm
Coverage	1 x 6.5 kg tub per 1220 mm x 2440 mm sheet

SATIN SURFACE FINISH

Sheets are supplied with a protective film on the surface which should be removed after installation.

SURFACE GRAVITY

1.38 to 1.42

THERMAL CONDUCTIVITY

0.15 W/mK @ 1 mm

COEFFICIENT OF LINEAR THERMAL EXPANSION

6.7×10^{-5}

VICAT SOFTENING POINT

65°C to 68°C

SERVICE TEMPERATURE

STORMCLAD can be installed in a diversity of applications with varying temperatures. The material's mechanical performance is known to remain stable in prolonged service in temperatures ranging from +20°C to +50°C.

Greater care should be taken when working with PVC sheets in lower temperatures. PVC is less resistant to impact at lower temperatures.

CHEMICAL RESISTANCE

Excellent resistance to most chemicals. Good resistance to alcohols, glycols and most cleaning solutions. Contact with solvents should be avoided.

CLEANING

Most domestic cleaners, except those of an abrasive nature, are suitable; a mild soapy solution is preferable.





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FIRE PERFORMANCE

When STORMCLAD was independently tested, the following classifications were obtained:

UK: EN 13501-1 : B-s3, d0
BS 476 : Part 7 : Class 1 fire rating.

STORMCLAD has Class 0 fire performance when attached to a non-combustible substrate. Copy test reports are available.

MECHANICAL PROPERTIES

MECHANICAL PROPERTIES	LABEL
Falling dart impact strength (3 mm sheet)	93 to 96J
Tensile strength at yield	50 to 55 MPa
Elongated at yield	3%
Tensile strength at break	48 to 54 MPa
Elongated at break	130 to 150%
Flexural strength	78 to 82 MPa
Flexural modulus	2,600 to 2,800 MPa
Modulus of elasticity	2,800 to 3 ,000 MPa

IMPORTANT NOTICE

Data contained in this document is for information only and is believed to be reliable. Southgate Plastics Ltd cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine the suitability of the product for any specific purpose. We are pleased to provide a sample upon request.

Before using this product, ensure that you have been supplied with and have read the following information: the hazard label (complying with the latest CDG/CPL regulations) applied to the container, Material Safety Data Sheets, Part A and Part B.

