



Xtra-Load Elite

Bitumen Polymer Damp-Proof Course

Data Sheets

IDENTIFICATION

Xtra-Load Elite dpc system comprises of a flexible bituminous sheet material in various sizes and in a range of preformed cloaks to offer a complete solution to damp-proof course and cavity tray requirements.

STANDARD

The Xtra-Load Elite system has been site and laboratory tested by the British Board of Agrément and awarded BBA certification.



Certificate No: 96/3222

DESCRIPTION

Xtra-Load Elite is a sand finished sheet manufactured from a high performance carrier and modified bitumen.

PERFORMANCE AND PROPERTIES

Roll Length	20m
Roll Width	100mm-1000mm
Thickness	1.4mm
Weight	36 kgm ⁻²
Tensile Strength At Break	700N/50mm
Tear Strength	250N
Low Temperature Flexibility	-40°C
Mortar Bond Strength	Good
Compressive Strength	Good

COMPRESIVE STRENGTH

Xtra-Load Elite will not extrude under load, up to the point of compressive failure of the wall, and will not adversely affect the ability of a properly designed and built wall to sustain and transmit compression.

QUALITY ASSURANCE

Xtra-Load Elite is manufactured under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



Certificate No: Q5556

DURABILITY

When properly specified and installed, Xtra-Load Elite will in normal circumstances remain effective during the lifetime of the structure.

COMPATIBILITY

Xtra-Load Elite is compatible with all materials with which it will be in contact within normal construction, with the exception of timber preservatives based on creosote or tar oils. It is unaffected by timber preservatives that are water based solutions of salts. If in any doubt as to compatibility, please contact Technical Services.

INSTALLATION DETAILS

A sharp knife is necessary to cut the material. Work can be carried out under all weather conditions normal to the construction of the wall. The material maintains sufficient flexibility to be installed at low temperatures.

Installation must follow normal good practice for the detailing of damp-proof courses as set out in BS 5628 3: 2001 and must be in accordance with the relevant clauses of BS 8215: revised edition: Code of Practice.

PREPARATION OF SURFACE:

1. Xtra-Load Elite must extend through the full thickness of the wall leaf, including pointing, applied rendering or other material.
2. Xtra-Load Elite to be laid on a wet, even bed of mortar and perforations in adjacent courses of blockwork must be completely filled with mortar.
3. All lap joints in Xtra-Load Elite must have a minimum 100mm overlap.
4. Xtra-Load Elite pre-formed cloaks must be used at stop-ends and all corners or changes in level of cavity trays.
5. Xtra-Load Elite must not be damaged by cavity cleaning after installation.
6. Precautions to be taken during subsequent work should include the following:
 - a. Use of cavity battens to prevent mortar droppings from reaching DPC.
 - b. Removal of droppings before they harden.
 - c. Inspection of cavity trays as work proceeds to check for damage.
7. When using Xtra-Load Elite with boot lintels or similar, it is recommended that the material is installed to follow lintel profile.

Icopal Limited

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**WORLD LEADER
IN
WATERPROOFING**

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TYPICAL SPECIFICATION

Damp-proof course to be Xtra-Load Elite, preformed cloaks to be installed at all stop-ends, corners and changes in level, to be the Xtra-Load Elite damp-proof course system as manufactured by Icopal Ltd, Barton Dock Road, Stretford, Manchester, M32 0YL. The damp-proof course to be installed in accordance with the relevant clauses of BS 5628-3: 2001 and must be in accordance with the relevant clauses of BS 8215: revised edition: Code of practice for design and installation of damp-proof courses in masonry construction and in accordance with manufacturer's instructions.

NBS SPECIFICATION

Xtra-Load Elite Damp Proof Course is specified using the following clause: F30/330
Product: Xtra-Load Elite Damp Proof Course
Manufacturer: Icopal Ltd. Barton Dock Road, Stretford, Manchester, M32 0YL. Tel: 0161 865 4444
Fax: 0161 865 8433.

DELIVERY AND STORAGE

Xtra-Load Elite dpc is delivered to site in rolls secured with a paper wrapper. Xtra-Load Elite preformed cloaks are delivered to site in cardboard boxes.

Rolls must be stored on end and under cover. Xtra-Load Elite should not be stored where it is liable to come into contact with hydrocarbon solvents such as petroleum spirit and diesel oil or other organic solvents.

HEALTH AND SAFETY

Health and safety data sheets are available for all materials. Please contact Icopal Technical Services Department for further information.

TECHNICAL SERVICES

Specialist advice and design guidance on all matters relating to Xtra-Load Elite including CAD detailing for all damp proofing requirements is freely available from our Technical Department at the address below.

ANCILLIARIES

Monobond LT or Xtra-Seal DPC Jointing Tape:
A butyl rubber double-sided tape for bonding Xtra-Load Elite to a wide range of common building materials, including both protection, and insulation boards

Xtra-Load Elite Insulated DPC:

The standard Xtra-Load Insulated DPC comprises a CFC/HCFC free foam bonded to a sand finished bitumen polymer DPC. Supplied in 10m rolls, it is available in:
100mm width insulation bonded to 165mm dpc
150mm width insulation bonded to 225mm dpc

Xtra-Load Cavity Support System:

To support lap joints of Xtra-Load Elite in cavities

Xtra-Seal Quick Drying Primer:

A quick drying solution for preparation of masonry prior to application of DPC Jointing Tape or Monobond LT tape

NOTE: This information is given in good faith being based on the latest knowledge available to Icopal Limited. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice. Up to date information is available from the Technical Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on any information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

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