



FRANKHAM

**BASEPOINT BUSINESS PARK, TILBURY
THURROCK COUNCIL**

**RIBA STAGE F1 SPECIFICATION
FLEXIBLE SHEET WATERPROOFING & FLOOR
INSULATION**

Notice

This document has been produced by Jill E Swift BA (Hons) BArch- Project Architect from the [Frankham Consultancy Group](#).

It may not be used by any person for any other purpose other than that specified without the express written permission of the [Frankham Consultancy Group](#). Any liability arising out of use by a third party of this document for purposes not wholly connected with the above shall be the responsibility of that party who shall indemnify [Frankham Consultancy Group](#) against all claims costs damages and losses arising out of such use.

Document History

JOB NUMBER: 612494			DOCUMENT REF: 612494/Stage F1 NBS Specification/June 2016/JES			
Revision	Purpose and Description	Originated	Checked	Reviewed	Authorised	Date
V1	Stage F1 (NBS) Flexible Sheet Waterproofing & Floor Insulation	JES	DJM	DJM	NS	07.06.16
V2	Stage F1 (NBS) Flexible Sheet Waterproofing & Floor Insulation	JES	DJM	DJM	NS	27.07.16

J40 Flexible sheet waterproofing

To be read with Preliminaries/ General conditions.

TYPES OF SHEET WATERPROOFING / TANKING

- 114 SAND BLINDING TO SHEET WATERPROOFING TO GROUND FLOOR SLAB
Thickness: 50mm.
Finish on completion: Smooth.
Even though Visqueen High Performance DPM (specified below) has a high puncture resistance, care should be taken to avoid accidental damage on site - where the base is uneven, a blinding of soft sand of a thickness that will cover all sharp projections should be used to avoid damage to the membrane when it is being installed, and when the concrete or screed is being laid.
- 136 LOOSE LAID DAMP PROOFING MEMBRANE TO GROUND FLOOR SLAB
Substrate: Smooth finish concrete blinding.
Manufacturer: Visqueen, Heanor Gate, Heanor, Derbyshire, DE75 7RG (Tel: 0333 202 6800).
Product reference: High Performance DPM.
Thickness/ Gauge: 0.5mm / 500 microns.
Joints:
Adjacent sheets of the membrane should be overlapped by at least 150mm and bonded using Visqueen PRO Double Sided Jointing Tape. The joint should then be sealed using Visqueen Pro Single Sided Jointing Tape. The membrane should be clean and dry at the time of jointing. Where the sheets have been perforated they should be patched with sheets of identical thickness lapped at least 150mm beyond the limits of the puncture and bonded with Visqueen PRO Double Sided Jointing Tape and sealed with Visqueen PRO Single Sided Jointing Tape.
Surfaces to be joined: By at least 150mm and bonded using Visqueen Double Sided Jointing Tape.
Laps (minimum): 150mm.
Sealing: Using Visqueen PRO Double Sided Jointing Tape.
Accessories: Visqueen PRO Single & Double Sided Jointing Tapes and Visqueen TreadGUARD 1500 and Visqueen Top Hat Pipe Cloaks.
Covering: Visqueen TreadGUARD 1500 - as soon as possible after laying.
Service Pipe Penetrations: Use Visqueen Top Hat Pipe Cloaks for any service pipe penetrations. The base of the Visqueen Top Hat Units should be sealed using Visqueen Double Sided PRO Jointing Tape and Visqueen PRO Single Sided Jointing Tape.
Storage and Handling: Visqueen High Performance DPM is supplied in rolls, shrink wrapped on pallets, the wrapping bearing the manufacturers and product names, details of the length, width and thickness. The rolls should be protected from sunlight and stored under cover before use. When the weather is cold, Visqueen Double Sided Jointing Tape and VisqueenPro Single Sided Jointing Tape should be kept in a warm, dry place until needed. Installation is not recommended below 5C.
Warning: The effectiveness of High Performance DPM will be reduced if it is exposed to sunlight either during storage or when in use.
Note: The membrane should be sufficiently loosely laid against upstands to ensure that the membrane is not stretched or displaced when applying the screed or concrete. As indicated in paragraph 4.8 of Building Regulations Approved Document C, joints in the membrane are sealed using the Visqueen DPM Jointing System.

WORKMANSHIP

- 310 WORKMANSHIP GENERALLY
Condition of substrate:
Clean and even textured, free from voids and sharp protrusions.
Moisture content: Compatible with damp proofing.

Air and surface temperature: Do not apply sheets if below minimum recommended by membrane manufacturer - 5 degrees C.

Condition of membrane at completion:

Neat, smooth, fully waterproof and fully supported, dressed well into abutments and around intrusions - note use of Top Hat Pipe Cloaks.

Completely impervious and continuous.

Undamaged. Prevent puncturing during following work.

Permanent overlying construction: Cover membrane as soon as possible.

320

INSPECTION

Give notice: Before covering any part of membrane with overlying construction.

P10 Insulation

To be read with Preliminaries/ General conditions.

TYPES OF INSULATION

- 120 **INSULATION LAID BENEATH GROUND FLOOR SLAB**
Manufacturer: Celotex, Lady Lane Industrial Estate, Hadleigh, Ipswich, Suffolk, IP7 6BA (Tel: 01473 820850).
Product reference: FR5120.
Material: Manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has low global warming potential (GWP) and zero ozone depletion potential (ODP).
Thickness: 120mm.
Installation requirements:
Installation standard: As recommended by manufacturer for below concrete slab installation.
Joints: Butted, no gaps.
Insulation at perimeter: As shown on Architect's Drawings.
Service holes: Sealed, and debris removed before laying insulation.
Electric cables overlaid by insulation: Sized accordingly.