



## NBS

# RAC – Welded

Application: Gas Membrane Complete Lineout  
Project: Housing – Hydrocarbon Protection

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### J40 FLEXIBLE SHEET TANKING/DAMP PROOF MEMBRANES

To be read with Preliminaries/General conditions.

### 145 WELDABLE POLYETHYLENE GAS RETARDANT/DAMP PROOF MEMBRANE:

- Manufacturer and reference: [Monarflex Geomembranes Ltd, Unit 23 Orbital Commercial Park, St Albans, Hertfordshire, AL1 1XB.  
Tel: 01727 732700 fax 01727 868045]
- Thickness/gauge: [0.8] Weight: [800 gsm] BBA certificate: [00/3668]
- Lay sheets neatly and tuck well into angles to prevent bridging and creasing.
- Joint sheets by Monarflex extrusion welding system with laps of not less than 150 mm.
- Where fixings occur through membrane, 70mm Monobond Tape to be applied locally at point of fixing penetration.
- Form internal and external corners using [Monarseal Self Adhesive gas membrane] to Monarflex Geomembranes Ltd standard working details
- All pipe and duct penetrations to be sealed using RAC 0.9mm preformed Top Hats complete with stainless steel jubilee clips.
- All steel columns, concrete penetrations etc to be sealed to using [Monarseal Self Adhesive gas membrane] to Monarflex Geomembranes Ltd standard working details
- All materials to be installed by Monarflex Geomembranes Ltd to ISO 9001.2000 using BBA certified products where applicable.

### 180 SELF-ADHESIVE BITUMEN GAS RETARDANT/DAMP PROOF MEMBRANE/TANKING:

- Manufacturer and reference: [Monarseal Self Adhesive gas membrane]
- Primer: As clause 330.
- Number of layers: One.
- Laps: Not less than recommended by sheet manufacturer.
- Bonding: Apply sheets adhesive side down, smoothing out to exclude air. Roll laps to ensure good adhesion between sheets.



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### 310 WORKMANSHIP GENERALLY:

- Apply materials carefully to provide a completely impervious, continuous membrane.
- Ensure that surfaces to be covered are clean, dry, smooth and free from voids, sharp protrusions and frost.
- Protect finished sheeting adequately to prevent puncturing during following work.
- Cover sheeting with permanent overlying construction as soon as possible. Immediately prior to covering check for damage and repair as necessary.

### 320 INSPECTION:

Inform CA a reasonable length of time before covering any part of membrane with overlying construction, to allow inspection.

### 330 PRIMER(S):

Type(s) recommended for the purpose by the sheet manufacturer. Apply by mopping, brushing or spraying to achieve an even and full cover of the surface. Allow to dry thoroughly before covering.