

NEC4

Term Maintenance Contract

Scope S2200 Client's service specification and drawings

**Series 2000 – Waterproofing for Concrete Structures
DN581359**

Commercial and Procurement Team

Somerset County Council

County Hall

Taunton

TA1 4DY

commercialandprocurement@somerset.gov.uk

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2001SR: General

1. Immediately before the application of the primer or laying of the waterproofing system or protective layer, the concrete surface or primed surface shall be clean, dry and free from ice, frost, laitance, loose aggregate, dust and other debris and where the adhesion to the concrete would be impaired, free from curing liquids, compounds and membranes. The minimum installation temperature for the waterproofing system shall be 4°C and rising.
2. The thickness of waterproofing membrane shall be a minimum of 2mm over peaks, arises and irregularities in the concrete deck.
3. The waterproofing membrane, primer and bonding agents including tack coat shall be compatible with each other.
4. The use of ventilating layers, partial bonding or bond breakers with the waterproofing system is not permitted.

2004SR: Materials for Waterproofing Below Ground Concrete Surfaces

Bitumen Emulsion with Rubber Latex

1. Primer for sealing concrete surfaces prior to waterproofing shall be compatible with the selected bitumen waterproofing material. The viscosity of the primer shall be such that it penetrates the concrete without forming a skin.
2. Material for waterproofing below ground concrete shall be bitumen emulsion with rubber latex.

2006SR: Workmanship for Waterproofing Below Ground Concrete Surfaces

Bitumen Emulsion with Rubber Latex

1. Unless otherwise described in the Task Order and prior to the application of the selected bitumen waterproofing, concrete surfaces shall be thoroughly sealed with an evenly applied primer. The primer shall be well brushed in and not allowed to pond in any depressions.

2. Two coats of bitumen emulsion with rubber latex shall be applied at a rate of spread recommended by the manufacturer. The first coat shall be allowed to dry before the second coat is applied. The method of application, rate of spread and other requirements shall be as described in the product literature supplied by the manufacturer

Form PWS – Proprietary Waterproofing Systems Data Sheet				
1. Manufacturer or Marketing Group				
2. Product	Number: Date:			
3. British Board of Agrément Roads and Bridges Certificate	Class U4			
4. Concrete Deck Surface Finish				
5. Manufacturer's maximum and minimum application temperatures at respective relative humidity.	To comply with Clause 2005			
6. Application Temperature of Bonding Agent				
7. Life of Mixed Liquid Materials	120mm			
8. <i>Service Manager's</i> Recommended Minimum Depth of Flexible Surfacing and Waterproofing				
9. Manufacturer's Recommended Minimum Depth of Flexible Surfacing and Waterproofing	See Annex 'A' Date:			
10. Preparation and Installation				
11. Form PWS with Annex A Registered with <i>Service Manager</i>				
12. Description of materials	Thickness mm	Weight kg/m ²	Nominal Width	Nominal Length

FORM PWS - PROPRIETARY WATERPROOFING SYSTEMS

DATA SHEET ANNEX 'A'

Manufacturer or Marketing Group: Product:

BBA Certificate No:

Preamble

This waterproofing system is to be installed in accordance with this Annex and the Specification.

Should there be any contradiction between the requirements of this Annex and the Specification, the Specification requirement shall take precedence unless otherwise agreed with the *Service Manager*.

All materials of the waterproofing system are to be as stated on the PWS (Proprietary Waterproofing System) Data Sheet.

No substitution of any of the stated materials is permitted.

General Requirements

Immediately before the application of the primer or laying of the waterproofing system or protective layer, the concrete surface or primed surface shall be clean, dry and free from ice, frost, laitance, loose aggregate, dust and other debris and also where the adhesion to the concrete would be impaired, free from curing liquids, compounds and membranes.

On any structure, providing no damage results, Plant and equipment all fitted only with rubber tyres may stand or travel on the waterproofing system solely for the purposes of laying an additional protective layer or surfacing material on that structure. All such Plant and equipment shall have its tyre treads regularly inspected and any embedded stones removed.

The permission of the *Service Manager* shall be obtained before the Plant, equipment, and traffic is permitted onto the waterproofing system.

Rollers shall not be permitted to stand or travel directly on the waterproofing system.

Where it is necessary for Plant, equipment or traffic to stand or travel on the waterproofing system, suitable temporary protection is to be provided.