



## **Electricity Specification 400A1**

**Issue 1.1**

**August 2013**

### **Abrasive Papers and Cloths**

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**Approved for issue by the  
Technical Policy Panel**

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Issue and Amendment Summary

Amendment No. Date	Brief Description and Amending Action
<p>0 01/07/92</p>	<p>Issue 1 Initial Issue Prepared by: D P Horsman Approved by the Standards Steering Group and signed on its behalf by:</p>
<p>1 29/08/13</p>	<p>Issue 1 A new Conformance Declaration Appendix has been added. Prepared by: DM Talbot Approved by the Technical Policy Panel and signed on its behalf by:</p>



## **1. GENERAL REQUIREMENTS FOR APPROVALS AND TESTING**

### **1.1 Definitions**

The following definitions will be used in Electricity North West Limited Engineering Specifications, Tenders etc. as appropriate:-

- 1.1.1 **Contract:** The agreement between Electricity North West and the Contractor for the execution of the Works including therein all documents to which reference may properly be made in order to ascertain the rights and obligations of the parties under the said agreement
- 1.1.2 **Contract Price:** The sum named in the tender subject to such additions thereto or deductions there from as may be made under the provisions here in after contained and shall mean the total financial commitment of Electricity North West to the Contractor under the contract.
- 1.1.3 **Contractor:** The person or person's firm or company including personal representatives, successors and permitted assigns, whose tender has been accepted by Electricity North West.
- 1.1.4 **Engineer:** Electricity North West Technical Services Manager or his successor or such person specifically nominated on his behalf.
- 1.1.5 **Guarantee:** A document serving as security for the materials supplied/contract works for the specified period.
- 1.1.6 **Purchasing Officer:** Electricity North West Manger, Purchasing & printing or his successor or such person specifically nominated on his behalf.
- 1.1.7 **Specification:** The Specification and schedules (if any) agreed by the parties for the purpose of the Contract.
- 1.1.8 **Tenderer:** The person or person's firm or company, including personal representatives, successors and permitted assigns, invited by Electricity North West to submit a tender.
- 1.1.9 **Writing:** Any manuscript, typewritten or printed statement under seal or hand as the case may be.

### **1.2 Product not to be changed**

No change in the product, packaging or labelling shall be made after Approval has been granted without prior notice to the Engineer and receipt of agreement from the Engineer, in writing to the proposed change.

### **1.3 Electricity North West Technical Approval**

- 1.3.1 The Tenderer shall submit, with his tender, proposals for testing which will demonstrate, to the satisfaction of the Engineer, compliance with this Specification. Such tests shall be carried out without expense to Electricity North West.
- 1.3.2 Alternatively, the Tenderer may submit technical reports and other data which he considers will demonstrate, to the satisfaction of the Engineer, compliance with this Specification. Acceptance of this evidence shall be at the discretion of the Engineer but will not be unreasonably withheld.

## **1.4 Quality Assurance**

- 1.4.1 The Tenderer shall confirm whether or not approval is held in accordance with the provisions of either the ESI Quality Assurance Registration Scheme or with BS 5750. If not, he shall advise the Engineer of details of quality assurance procedures employ to control the quality of the product, including the performance of suppliers and Sub-Contractors.
- 1.4.2 The right is reserved for the Engineer to require, from time to time, the repeat of such tests as he may deem to be reasonably necessary to demonstrate continued compliance with the Specification.
- 1.4.3 The Tenderer shall submit, with his tender, a list of tests and inspections which are carried out on the product prior to despatch which shall demonstrate, to the satisfaction of the Engineer, fitness for installation and service.
- 1.4.4 The Tenderer shall provide free of charge to the board such samples as may, in the opinion of the Engineer, be reasonably required for inspection and/or retention as quality control samples. The requirements for samples will be confirmed by the Engineer at the time of tendering.
- 1.4.5 The right is reserved for the Engineer to make, from time to time, such inspections of the Tenderer's facilities as he may deem to be reasonably necessary to ensure compliance with this specification and any Contract of which it forms a part.

## **1.5 Formulation**

The Tenderer shall submit, with his tender, such details of the formulation and use of the product and associated substances as will enable Electricity North West to comply with the general obligations for health and safety in the use of the product. The Tenderer may stipulate, prior to submission of such information, that he requires it to remain confidential and the Engineer will, if requested, confirm his agreement to this prior to receipt of the information.

## **1.6 Identification Markings**

The Tenderer shall submit, with his tender, details of markings which it is proposed to apply to the product or packaging to identify manufacturing batches or items. The forms and content of such markings shall be subject to the Approval of the Engineer.

## **1.7 Manufacturers Already Approved**

Clauses 1.3.1, 1.3.2, 1.4.1, 1.4.3, 1.4.4, 1.5 and 1.6 will be waived in the case of products already approved.

## **1.8 Confirmation of Conformance**

The tenderer shall complete the conformance declaration sheets in Appendix B. Failure to complete these declaration sheets may result in an unacceptable bid.

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## **2 TECHNICAL PARTICULARS**

### **2.1 Scope**

This Specification covers the supply of abrasive papers and cloths.

### **2.2 Technical Requirements**

2.2.1 Abrasive papers and cloths shall comply with BS 871: 1981

### 3. SCHEDULE ONE: ABRASIVE PAPERS AND CLOTHS

The following table lists the various grades of abrasive papers and cloths required for jointing use and general issue by Electricity North West

C C No	Type	Backing	Grade	Size	
				Sheet mm x mm	Roll mm x mm
	3.1 Garnet Paper	C	120	230 x 280	
	3.2 Aluminium Oxide Cloth for Woodworking	J	P2		115 x 50
	3.3 Aluminium Oxide Cloth for Metalworking	X J	P60 P120 P180 P220 P320 P400	230 x 280	25 x 50 20 x 50 20 x 50 115 x 50 20 x 50 20 x 50
	3.4 Silicon Carbide Cloth	X  J	P50  P60  P100 P150		280 x 50 25 x 50  25 x 50  280 x 50 25 x 50
	Emery Cloth	2 <sup>nd</sup> Quality	0 FF F 1 1.5 2 2.5 3	230 x 280	
	Glass Paper	Best	00 0 1 1.5 F2 M2 S2 2.5 3	230 x 280	



**APPENDIX A**

**CONFORMANCE DECLARATION**

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**SECTION-BY-SECTION CONFORMANCE WITH SPECIFICATION**

The tenderer shall declare conformance or otherwise for each product/service or range of products/services, section-by-section, using the following Conformance Declaration Codes.

Conformance Declaration Codes:

- N/A = Section is not applicable/appropriate to the product/service.
- C1 = The product/service conforms fully with the requirements of this section.
- C2 = The product/service conforms partially with the requirements of this section.
- C3 = The product/service does not conform to the requirements of this section.
- C4 = The product/service does not currently conform to the requirements of this section, but the manufacturer proposes to modify and test the product in order to conform.

**Manufacturer:**

**Product/Service description:**

**Product/Service reference:**

**Assessor details**

Name:

Company:

Signature:

Date:

**SECTION-BY-SECTION CONFORMANCE**

<b>Section</b>	<b>Section Topic</b>	<b>Conformance Declaration Code</b>	<b>Remarks * (must be completed if code is not C1)</b>
1.2	Product not to be Changed		
1.3	Electricity North West Technical Approval		
1.4	Quality Assurance		
1.5	Formulation		
1.6	Identification Markings		
1.7	Manufacturers Already Approved		
1.8	Confirmation of Conformance		
2.1	Scope		
2.2	Technical Requirements		
3	Schedule One: Abrasive Papers and Cloths		

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\* Applicable specifications shall be stated in the Remarks column where alternatives are quoted within a section. The Remarks column shall also be used to indicate cases where the products or services exceed the quoted specifications.

**Additional Notes:**