



DECLARATION OF PERFORMANCE

Certificate No. CCL-XM-1244-CPD-1011

1. **Unique identification code of the product-type:** CCL 'XM' Multistrand Bonded/Unbonded Post-Tensioning System.
2. **Intended use or uses:** Post-tensioning kit for prestressing of structures with strands.

Basic categories of use:

Internal bonded/unbonded tendon

External tendon

Optional categories of use:

Internal bonded tendon with plastic duct

Bonded tendon for cryogenic applications inside the possible cryogenic zone

Encapsulated tendon

3. **Manufacturer:** CCL Stressing Systems Ltd, Unit 8, Millennium Drive, Leeds, LS11 5BP, United Kingdom
4. **System of AVCP:** System 1+
5. **European Assessment Document:** ETAG 013 Edition June 2002 (Used as EAD)

European Technical Assessment: ETA 07/0035

Technical Assessment Body: Centre d'études et d'expertise sur les risques, l'environnement, la mobilité et l'aménagement (Cerema)

Notified Bodies: UK Cares, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, United Kingdom

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6. Declared Performance

Essential Characteristics	Performance Data	Technical Specification
Anchorage components	See 1.2.2 and annex 02-33	ETA-07/0035
Strand characteristics	See 1.2.3.3, table 05 and annex 01	
Prestressing forces	See 1.2.3.4 and table 06-11	
Friction losses and anchorage wedge set	See 1.2.5 and 1.2.6	
Mechanical resistance and stability	See 3	

7. The performance of the product identified in point 1 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Peter Vincent (Senior Design Engineer)

Edward Birkhead (General Manager)

Leeds 07/12/2015