



## Declaration of Performance



Ref. No.	QA 019
Rev. No.	1
Date:	05.01.2020
Auth By:	T McCaughey

**Octagonal Concrete Strainer Posts "Ox Strain Post"**

1. Unique identification code of the product type:

**Precast concrete octagonal strainer post "Ox Strain Post"**

2. Type, batch or serial number or any other method of identification of the product type:

**Categories: OXSTRAIN**

3. Intended use of the product, in accordance with the applicable technical specification, as foreseen by the manufacturer:

**Precast concrete strainer posts used for agricultural wire mesh fencing**

4. Name, registered trade name or registered trademark and contact address of the manufacturer:

**Moore Concrete Products Ltd., Caherty House, 41 Woodside Road, Ballymena, Co. Antrim, Northern Ireland, BT42 4QH**

5. System or systems of assessment and verification of constancy of performance of the construction product:

**System 4a, Method 2, (verification by calculation)**

6. Declaration of performance concerning a product covered by the harmonized standard:

**BS EN 12839:2012 Precast concrete products – Elements for fences**

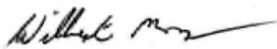
*The attestation of conformity of the precast concrete elements for boundary fences for the essential characteristics indicated in BS EN 12839:2012 Table ZA.1 shall be based on the evaluation of conformity procedures indicated in BS EN 12839:2012 Table ZA.3, resulting from the application of the clauses of this or other European Standards indicated therein.*

7. Declared performance:

Essential characteristic as in Table ZA.1	Performance	Harmonised technical specification
<b>Concrete</b>		
<b>Compressive strength</b>	<b><math>f_{ck} = 40 \text{ N/mm}^2</math></b>	
<b>Reinforcement</b>		
<b>Ultimate tensile strength</b>	<b><math>f_{tk} = 540 \text{ N/mm}^2</math></b>	
<b>Tensile yield strength</b>	<b><math>f_{yk} = 500 \text{ N/mm}^2</math></b>	
<b>Load bearing capacity (by calculation)</b>		
<b>Test Service Load</b>	<b>1.275 kN</b>	
<b>Test Failure Load</b>	<b>2.325 kN</b>	
<b>Durability</b>		
	<b>XC4, XD1, XF4 for 50 years design life</b>	
<b>Geometrical data</b>		
<b>Detailing</b>	<b>See product drawing OXSTRAIN/dwg/001 and 002</b>	

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer by:



Wilbert Moore (Managing Director)

Moore Concrete Products Ltd, Ballymena, Co. Antrim

**January 2021**