



National Standards Authority of Ireland

IRISH STANDARD

**I.S. ENV 820-1:1994**

ICS 81.060.10  
19.020

**ADVANCED TECHNICAL CERAMICS –  
MONOLITHIC CERAMICS –  
THERMOMECHANICAL PROPERTIES –  
PART 1: DETERMINATION OF FLEXURAL  
STRENGTH AT ELEVATED TEMPERATURES**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on  
May 17, 1994*

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Údarás um Chaighdeán Náisiúnta na hÉireann



**DECLARATION**  
  
**OF**  
  
**SPECIFICATION**  
  
**ENTITLED**  
  
**ADVANCED TECHNICAL CERAMICS – MONOLITHIC CERAMICS –**  
**THERMOMECHANICAL PROPERTIES – PART 1: DETERMINATION OF FLEXURAL**  
**STRENGTH AT ELEVATED TEMPERATURES**  
  
**AS**  
  
**THE IRISH STANDARD SPECIFICATION FOR**  
  
**ADVANCED TECHNICAL CERAMICS – MONOLITHIC CERAMICS –**  
**THERMOMECHANICAL PROPERTIES – PART 1: DETERMINATION OF FLEXURAL**  
**STRENGTH AT ELEVATED TEMPERATURES**

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Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Advanced Technical Ceramics – Monolithic Ceramics – Thermomechanical Properties – Part 1: Determination of Flexural Strength at Elevated Temperatures) Declaration, 1994.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Advanced Technical Ceramics – Monolithic Ceramics – Thermomechanical Properties – Part 1: Determination of Flexural Strength at Elevated Temperatures. The Schedule comprises the text of ENV 820-1 : 1993.  
  
(2) The said standard specification may be cited as Irish Standard/ENV 820-1:1994 or as I.S./ENV 820-1:1994.



EUROPEAN PRESTANDARD

ENV 820-1

PRÉNORME EUROPÉENNE

EUROPÄISCHE VORNORM

November 1993

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UDC 666.3:620.179.13:620.174

Descriptors: Ceramics, thermal tests, mechanical tests, high temperature tests, determination, mechanical properties, flexural strength

English version

**Advanced technical ceramics - Monolithic  
ceramics - Thermomechanical properties - Part 1:  
Determination of flexural strength at elevated  
temperatures**

Céramiques techniques avancées - Céramiques  
monolithiques - Propriétés thermomécaniques -  
Partie 1: Détermination de la résistance en  
flexion à température élevée

Hochleistungskeramik - Monolitische Keramik -  
Thermomechanische Eigenschaften - Teil 1:  
Bestimmung der Biegefestigkeit bei erhöhten  
Temperaturen

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CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

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Comité Européen de Normalisation  
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