

DECLARATION OF PERFORMANCE

NO. 1

1. Unique identification code of the product type: ***Barchip 54***
2. Type, batch or serial number or any other element allow identification of the construction product as required pursuant to Article 11(4): ***Each delivery of the product is identified by the name: Barchip 54 and by the batch number.***
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: ***Polymer fibres for structural uses in concrete mortar and grout.***
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

***Hagihara Industries Inc***  
***1-4 Nakadori Mizushima***  
***Kurashiki city, Okayama Pref.***  
***Japan 712-8502***  
***Tel: (81) 86 440 0821***  
***Fax: (81) 86 440 0819***

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

***Name: Takafumi HORIUCHI***  
***1-4 Nakadori Mizushima***  
***Kurashiki city, Okayama Pref.***  
***Japan 712-8502***  
***Tel: (81) 86 440 0821***  
***Fax: (81) 86 440 0819***

6. System or systems of assessment and verification of constancy of performance for the construction productions as set out in Annex V: ***System 1***
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

***SGS performed the***

- ***Determination of the product type on the basis of type testing (including sampling)***
  - ***Initial inspection of the manufacturing plant and of the factory production control***
  - ***Continuous surveillance, assessment and evaluation of the factory production control***
- and issued a certificate of consistence of performance.***

8. Declared performance

Essential Characteristics	Performance	Harmonised Technical Specification
Class	II	EN:14489-2
Length	54 mm	
Diameter	0.90 mm	
Tensile strength and modulus of elasticity	580 N/mm <sup>2</sup> 12 N/mm <sup>2</sup>	
Melting point and Point of ignition	165 - 170°C 360°C	
Effect on consistence of concrete	5 s with 5kg/m <sup>3</sup> (Reference concrete 7 s)	
Effect on strength of concrete	4 kg/m <sup>3</sup> to obtain 1.5 N/mm <sup>2</sup> at CMOD-0.5 mm; and 1.0 N/mm <sup>2</sup> at CMOD-3.5 mm	
Release of dangerous substances	No release of any dangerous substances	

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

Signed for and on behalf of the manufacturer by:

Name: Takafumi HORIUCHI Function: Quality Assurance Leader

---

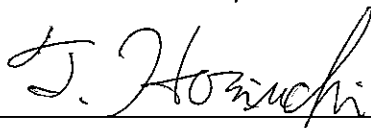
(Name and Function)

PLACE: 1-4 Nakadori Mizushima, Kurashiki city, Okayama Pref. Japan 712-8502

Date of Issue: 27/06/2013

---

(Place and Date of Issue)




---

(Signature)