



Declaration of Performance



2016-05-20
QFA-DDP-FFX-EN
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1. Unique identification code:

This EC declaration of performance concerns the following **FIBRAFLEX amorphous metallic fibre** references: **FF30L6, FF20L6, FF20E0, FF15E0, FF10E0, FF5E0.**

2. Element allowing identification of the construction product:

See the product label for traceability elements;

3. Intended use (in accordance with standard NF EN 14889-1):

FIBRAFLEX® fibres are intended for use in concrete, mortar or grouting material, including sprayed concrete or mortar, concrete for paving, concrete for prefabrication, in-situ cast concrete and concrete or mortar for repairs.

FIBRAFLEX® FF30L6, FF20L6 and FF15E0 fibres have been assessed for cases of structural use. The use is considered to be structural if the addition of fibres is designed to contribute to the bearing capacity of a concrete element.

FIBRAFLEX® FF20E0, FF10E0 and FF5E0 fibres have been assessed for cases of non-structural use.

4. Name, company name and contact address of the manufacturer:



SAINT-GOBAIN SEVA
43, rue du Pont de Fer
BP 10176
71105 CHALON-SUR-SAONE CEDEX - FRANCE

5. Name and contact address of the representative: Not applicable.

6. Performance consistency assessment and verification systems:

For FIBRAFLEX® FF30L6, FF20L6 and FF15E0 fibres for structural use: System 1.

For FIBRAFLEX® FF20E0, FF10E0 and FF5E0 fibres for non-structural use: System 3.

7. The case of products covered by a harmonised standard:

For FIBRAFLEX® FF30L6, FF20L6 and FF15E0 fibres for structural use, the Study and Research Centre for the Manufactured Concrete Industry (CERIB) has carried out, in accordance with "system 1" of the standard NF EN 14889-1:

- ✓ the determination of the product type following initial type-testing,
- ✓ the initial inspection of the production plant and the control of production in the factory,
- ✓ the monitoring, assessment and validation of the control of production in the factory.

The corresponding certificate No. 1164-CPR-FAP001 issued by the CERIB (notified body No.1164) can be accessed online:

www.cerib.com.

For FIBRAFLEX® FF20E0, FF10E0 and FF5E0 fibres for non-structural use, the CERIB has carried out, in accordance with "system 3" of the standard NF EN 14889-1:

- ✓ the determination of the product type following initial type-testing,

8. The case of products for which a European technical assessment has been issued: Not applicable.

9. Declared performances:

The essential characteristics are listed in Table 1 on page 2.

10. The product performances identified in points 1 and 2 comply with the declared performances given in point 9. This declaration of performance is established under the sole responsibility of the manufacturer identified in point 4.



Signed on behalf of the manufacturer by:
David NIMMEGEERS, Quality Manager



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Table 1
Declaration of characteristics by product type

FIBRAFLEX® product type	FF30L6	FF20L6	FF15E0	FF20E0	FF10E0	FF5E0
Assessment system	System 1. Structural use.			System 3. Non-structural use.		
Length (mm)	30	20	15	20	10	5
Width (mm)	1.6		1	1		
Equivalent diameter (mm)	0.25		0.18	0.18		
Slenderness	120	80	83	111	56	28
Density (Kg/m ³)	7,250					

Declaration of essential characteristics by product type

Assessment system	System 1. Structural use.			System 3. Non-structural use.		
Tensile strength (MPa)	1,400					
Modulus of elasticity (GPa)	NDP*					
Impact on concrete consistency (s)	NDP*	NDP*	NDP*	NDP*	NDP*	NDP*
Impact on concrete resistance (Kg/m ³)	35	40	40	NDP*	NDP*	NDP*
Emanation of dangerous substances	See Safety Data Sheet					
Durability	Durability refers to fibre-reinforced concrete.					

* NDP = Non-Declared Performance.



Signed on behalf of the manufacturer by:
David NIMMEGEERS, Quality Manager