


AT LAST A TRANSPARENT PERFORMANCE COMPARISON FOR STEEL FIBRES

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What does the CE Mark mean to you and your business??

Guaranteeing the quality and the strength of a steel fibre reinforced concrete element requires the use of a reliable and reputable fibre. For years it has been difficult for engineers, concrete companies and builders alike to legitimately compare the expected performance of the different fibres available.

For this reason EN 14889-1, currently the only international performance based quality control manufacturing standard for steel fibres, requires manufacturers to declare a minimum fibre dosage to achieve a required post crack flexural strength in a reference concrete. This enables complete transparency when comparing the performance of different fibre types and ensures a minimum level of quality of the steel fibre itself.

	
0749-CPD	
NV BEKAERT SA – Bekaertstraat 2 B-8550 Zwevegem – Belgium	
EN 14889-1 09	
Certificate: BC1-251-0024-0003-006	
DRAMIX®: RC-55/35-BN	
<small>Steel Fibres for structural use in concrete mortar and grout. Group 1: cold-drawn wire</small>	
<small>- Information and regulated characteristics:</small>	
<small>Shape</small>	<small>deformed</small>
<small>Bundling</small>	<small>glued</small>
<small>Coating</small>	<small>-</small>
<small>Fibre length (mm)</small>	<small>35</small>
<small>Diameter (mm)</small>	<small>0.62</small>
<small>Tensile strength (N/mm²)</small>	<small>1270</small>
<small>Aspect ratio</small>	<small>56</small>
<small>- Consistency with 30kg/m³ fibres - Vebe time = 8 sec</small>	
<small>- Effect on strength in reference concrete: 30kg/m³</small>	
<small>To obtain >1.5N/mm² at CMOD = 0.5mm and</small>	
<small>>1.0N/mm² at CMOD = 3.5mm</small>	

CE LABEL EXAMPLE

In Europe only products with the CE marking, like Dramix steel fibres, can be sold in the European member states. In countries where it's not yet compulsory it is becoming common practice for engineers to specify compliance with EN 14889-1 in project documentation.

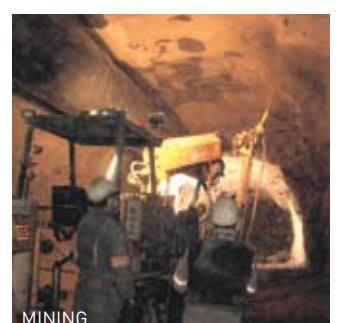
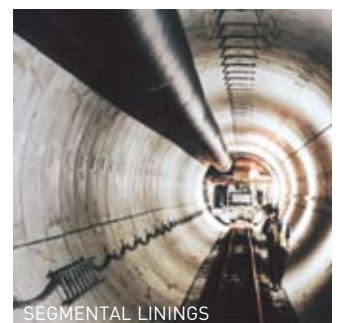
Every bag of product supplied to the market has a CE label that details the fibre tensile strength, geometry and fibre dosage required to meet performance limits described in the manufacturing standard.

There are two types of classification, Class 1 for structural use and Class 3 for non structural use (structural use is where the addition of fibres is designed to contribute to the load bearing capacity of the concrete element).

WHAT DOES ALL THIS MEAN TO YOU?

1. A product that complies with the 14889-1 quality level Class 1 for structural use.
2. A product that is submitted to continuous quality control.
3. A label that mentions the minimum dosage for this fibre type in a reference concrete.

REALISE GREATER ENGINEERING EFFICIENCY WITHOUT COMPROMISING QUALITY ON YOUR NEXT PROJECT. TALK TO **THE LEADER IN FIBRE REINFORCED CONCRETE ENGINEERING** CALL 1300 665 755 (AUS), 0800 665 755 (NZ) or visit bosfa.com



Dramix: ISO 9001 ACCREDITED

