

VERSTAERKUNG FIBER ASSOCIATION

„THE QUALITY DIFFERENCE“



B STRATOS R

High quality fiber for concrete



MATERIAL:

SPECIFIC GRAVITY:

TENSILE STRENGTH:

MELTING POINT:

IGNITION TEMPERATURE:

SALT, ALKALI AND ACIDS

RESISTANCE:

WATER ABSORPTION:

LENGTH:

PACKING:

100% virgin polypropylene

0,915 gr/cm³

293 – 335 N/mm²

160-170° C

> 320° C

high

none

20 – 50 mm

pre-dosed bags (PE or watersoluble) from 700 gr to 9 kg or boxes of 18 kg, according to necessities and performances



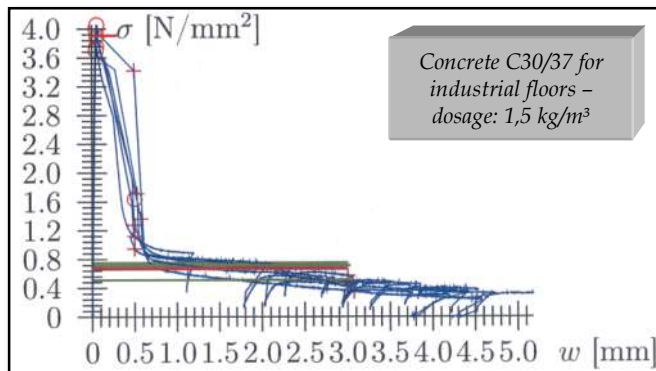
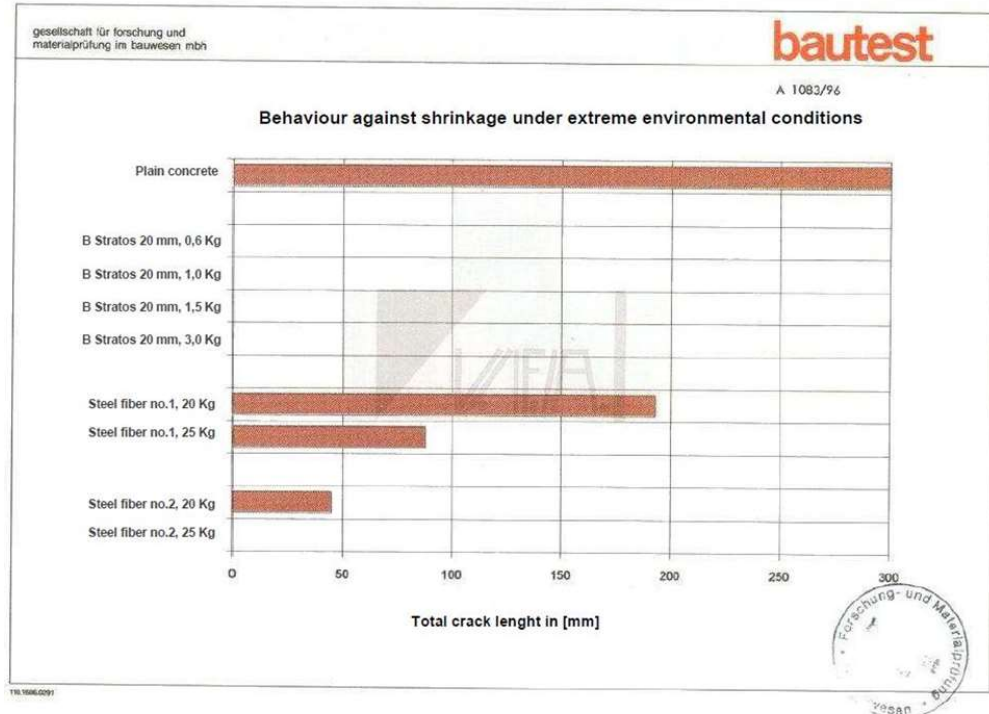
B STRATOS R in INDUSTRIAL FLOORS

According to application fields B Stratos R can be used with different dosages as well as reinforcement fiber against cracking in case of low charges and as static reinforcement in case of higher charges and tensions, as follows:

a) in case of no high charge,

where only a cracking reduction and a good usability are necessary:

B STRATOS R 20 mm, dosage from **700 gr/m³** to **1,50 kg/m³**

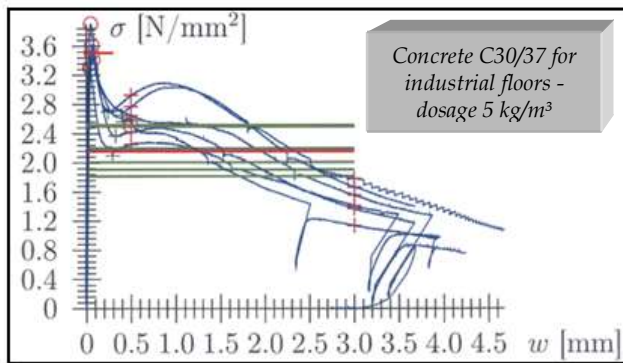
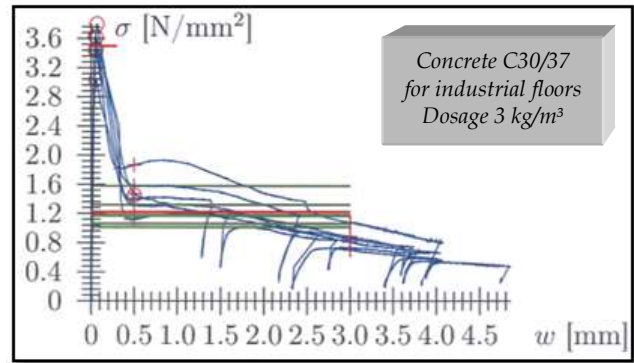


for ex. with **1,5 kg/m³**
in a concrete **C30/37** the classes
G1 - T0 - BZ 3,0 are reached *

b) in case of middle charges

B STRATOS R 2050 with a dosage of 3 kg/m^3

For ex. in a concrete **C30/37** the classes **G1 - T1 - BZ 3,0** are reached *



c) in case of higher charges

B STRATOS R:

- **2050:** dosage of $4,5 - 6 \text{ kg/m}^3$

For ex. with 5 kg/m^3 in a concrete **C30/37** the classes **G3 - T3 - BZ 3,0** are reached *

or

- **20 mm:** 5 kg/m^3 . For ex. in a concrete **C25/30** the classes **G2 - T2 - BZ 3,0** are reached *

The a.m. values are confirmed by official test reports. Original certificates are at disposal.

We can guarantee the performance classes achieved during our tests according to the Guideline ÖVBB "Fiber-reinforced concrete", edition 2008, on condition that the class of concrete is reached and our directions for use are respected.

* The tests have been carried out on samples produced with calcareous aggregates.

GENERAL ADVANTAGES :

- easy handling also thanks to the pre-dosed and/or watersoluble bags
- very good adherence with the concrete matrix



- three-dimensions reinforcement
- good post-cracking tensile strength
- no cracking
- good equivalent flexural tensile strength, i.e. usability and load safety factor and/or good performances
- tested according to Guideline "Fiber reinforced concrete", edition 2008
- chemically resistant

ADVANTAGES IN COMPARISON TO STEEL AND MACRO FIBERS:

- **equal distribution and separation and constant number of fibers in the concrete** in comparison to the traditional dosages of steel and macro fibers
- also at the max. dosages an optimal workability in the mixing process
- very good separation of the fibers
- the surfaces can be easily and immediately stroke off
- reduction of costs (lower dosages, transport, working force etc.)
- no influence on air content (test at disposal)



DIRECTIONS:

- dry mix
- add the fibers at the best in the concrete plant

Thanks to its characteristics B Stratos R doesn't require any further mixing time

All data reported can only be considered as general indications and refer to our test results and experiences. In case of different conditions of work and materials we suggest doing proper tests. A guarantee can be given only for the quality of our product.

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