

PRODUCT DATA SHEET

SikaFiber® CHO 65/35 NB

STEEL FIBERS FOR REINFORCEMENT OF CONCRETE

DESCRIPTION

SikaFiber® CHO 65/35 NB are high quality steel fibers for the reinforcement of shotcrete. SikaFiber® CHO 65/35 NB are specially glued to facilitate their homogenization in concrete and avoiding the agglomeration of the individual fibers. SikaFiber® CHO 65/35 NB are steel fibers of high length / diameter ratio allowing a high performance with less fiber.

USES

SikaFiber® CHO 65/35 NB, provides a high capacity of support to the concrete in a wide range of applications and especially for the shotcrete, reducing the times and costs associated with the traditional reinforcement with steel meshes.

CHARACTERISTICS / ADVANTAGES

- Increases concrete strength for impact and cracking
- Increases ductility and energy absorption
- Reduction of retraction cracking
- Does not affect setting times
- Its gluing condition ensures a uniform distribution in the concrete mix
- The ratio, length / diameter equal to 65, gives maximum performance
- Shaped ends for maximum concrete anchorage

APPROVALS / STANDARDS

SikaFiber® CHO 65/35 NB complies with ASTM A820 "Steel Fibers for Reinforced Concrete" and DIN 17140-D9 for low carbon steel.

PRODUCT INFORMATION

Packaging	20 kg dissolvable bags
Shelf Life	Not determined
Storage Conditions	SikaFiber® CHO 65/35 NB bags can be stored indefinitely protected from rain. Transport with normal precautions for chemicals.

APPLICATION INSTRUCTIONS

SikaFiber® CHO 65/35 NB, can be added on the weighing scale or on the belt or directly into the Ready-Mix truck, as follows in each case:

Wet Mix Plant

- On the aggregate weighing scale. Open the bags and put the fibers directly onto the aggregates, do not place the bags unopened, because they can block the discharge gates. Mix normally. No additional mixing time is necessary in this case.
- On the feed belt, if there is access. The steel fibers can be added during or after placing the aggregates.

Mixing normally. No additional mixing time is necessary in this case.

- SikaFiber® CHO 65/35 NB can also be added directly into the mixer, once all other ingredients has been discharged into the mixer.

Dry Mix Plant

- Once all the ingredients have been discharged into the mixer truck, add in the fibers at a rate of 60 kg/min while the readymix truck is rotating at high speed (12–18 rpm). Mix an additional 5 minutes and visually check to ensure the mix is homogenous and the fibers are spread out evenly.
- A minimum slump of 120 mm is required prior to

adding SikaFiber® CHO 65/35 NB.

- Do not discharge SikaFiber® CHO 65/35 NB into the mixer before the aggregates.
- Dissolvable bags can be added directly to the mixer truck.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

Keep out of reach of children. Avoid direct contact with eyes and skin. Protect yourself by wearing safety gloves and goggles.

Do not dispose the product in soil or water courses, but in accordance with local regulations and prior neutralization. For more information consult the sheet of security of the product.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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