

## HOOKFIBER

## STEEL FIBRE

### TECHNICAL FEATURES / DOSAGE/ APPLICATIONS



## STEEL FIBER

- ü **TENSILE STRENGTH:** 1100 -1.400 N/mm<sup>2</sup>
- ü **DIAMETER:** 0.55 - 1 mm
- ü **APPLICATIONS:** SHORCRETE, FLOORS, ETC
- ü **MINIMUM DOSAGE**

HOW TO DOSE STEEL FIBER:

- MANUAL / BELT CONVEYOR
- DOSING MACHINE (WITH AUTOMATIC WEIGHING SYSTEM)



ü **SUPPLY:** LOOSE OR GLUED in degradable bag or 20 Kg. or BIG-BAG of 1.000 Kg.



## APPLICATIONS OF HOOKFIBER

### HOOKFIBER IN FLOORING AND STRUCTURES



Basically, concrete floors reinforced with Hookfiber are both a structure and a covering. It shows performances, as below.

- Excellent bearing capacity to support dynamic loads which vary greatly in degree and nature and the distribution of these loads to the underlying ground.
- Resistance to chemical attack.
- Water tightness

For flooring, there are at least three different construction principles

- 1) Jointed floors
- 2) Continuous floors
- 3) Pile supported floors

Hookfiber can be used for all types of floors

It is important to secure high quality concrete and the flatness

So we recommend to use Laser screed or vibrating screed with prefabricated level guide beam.

## *HOOKFIBER IN SHOTCRETING*

Steel fiber reinforced shotcrete (SFERS) is normal reinforcing method in tunnelling and slope stabilization in 1980'SFERS was mainly used in Scandinavia countries but now almost of countries in the world are using SFERS.

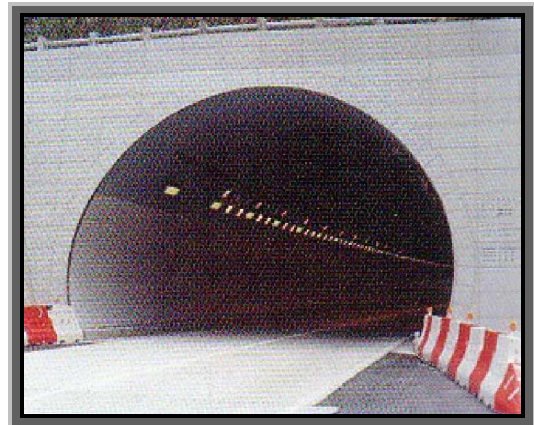
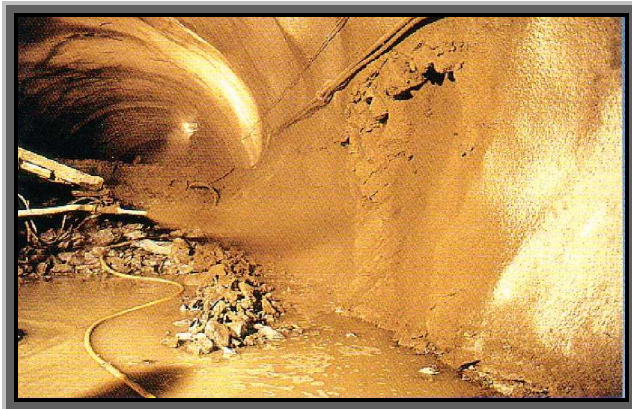
It is easy, fast and economical reinforcing method for tunnelling and stabilization.

Traditional shotcreting with wiremesh

- Difficult positioning over irregular surface
- Long setting time
- Bad filling behind mesh
- Easily corrosive
- Less resistance to loosening of rock

Hookfiber in shotcrete

- Homogenous reinforcement
- High load bearing capacity due to monolithic depth
- Excellent corrosion resistance
- High early-strength due to excellent crack-control
- High distribution capacity of load



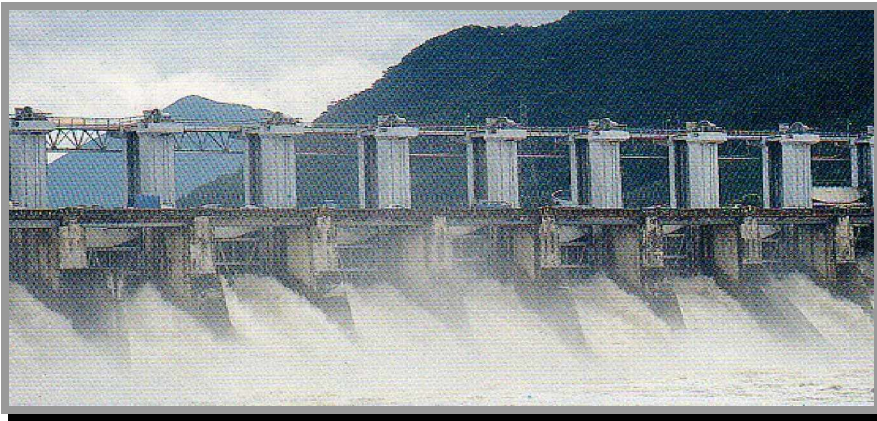
## *HOOKFIBER IN CONCRETE*

Properties:

- High crack control effect
- High resistance to shrinkage stress and thermal stress
- High resistance to tensile, impact, and shear stress
- High durability though high energy absorption capacity.

## APPLICATIONS

- Shotcrete , tunnel lining
- Floor, parking lot, deck slab.
- Highway, bridge deck slab, airway pavement such as runway, taxiway, apron, etc
- Foundation of machinery
- Precast members such as tunnel lining, railway sleepers, facade panel and etc.
- Hydro structures such as spillway, stilling basin and etc.
- Special structures for military, anti-seismic or high security building.



## ü QUALITY

- ISO 9001, ISO 14001
- ACCORDING TO ASTM A820



SUPPORT  
DEPARTMENT



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