Product Specification Sheet

Concord H, Synthetic Fiber





Dosage

Concord H has a regular dosage rate of 10 kg to 12 kg per cubic meter (m³). Dosage rate should be determined based on

Concrete Fiber reinforcement

Concord H is a high performance structural synthetic fibre concrete reinforcement, optimised for pavements and industrial floors tunnel shotcrete and lining. The unique composition of Concord H enables a perfect, fibre free finish on your concrete works. Work with Concord H and together we'll unlock the full potential of your concrete mix.



Concord H

Concord H advantage

- Comprehensive design and technical support
- Redistributes load increased ductility / toughness
- Eliminates corrosion long term durability
- Eliminates set-up of steel mesh
- Improves precast production speeds up to 50%
- Increases abrasion and impact protection
- 70% reduction in carbon footprint compared to steel Safer and lighter to handle than steel
- Reduced wear on concrete pumps and hoses
- Weather proof packaging on multi-stack UPVC pallets



"Economical and very safe material for increase concrete tensile strength"



CONCORD H (DATA SHEET)

Kind of fiber Description	Steel fiber	Nylon	Polypropyle ne	Concord H
Diameter(mm)	0.2 ~ 0.6	0.025 ~ 0.034	0.05 ~ 0.6	<u>0.5 ~ 0.9</u>
Length(mm)	10~60	5~50	6~12	<u>30 ~ 60</u>
Tensile Strength(MPa)	400~2,000	580	520	<u>750 ~ 800</u>
Strain at break(%)	3.5	14~21	12~21	15~21
Density(g/cm ³)	7.85	1.14	0.96	<u>1.35</u>
Convenience	Bad*	Good	Good	Excellent
Dispersibility	Bad	Bad	Bad*	Excellent
Adhesion with concrete	Bad	Excellent	Bad*	Excellent
Alkaline stability	Bad	Good	Excellent	Excellent

