

TwinHook® CHT 80/60 NB							
TwinHook	C	H	T	80	60	N	B
Made of high tensile wire	Collated	Hooked-ends	Twin-double anchor	Aspect ratio	Length	Normal carbon wire	Bright

## Description



### C Collated

Several dozens of wires are collated by special glue.

### H Hooked-ends

Hooked-ends gives high anchoring.

### T Twin - Secondary Anchorage

Twin hooked-ends are well designed for best performance from high strength wire.

### 80 Aspect ratio

aspect ratio means ratio of length to diameter. This aspect ratio and length are main factors for shotcreting quality.

### 60 length of steel fiber

Length of fiber should be min 2 times of max aggregate size.

### N Normal Carbon wire

Quality meets KS D 3552 SWM-B  
JIS G 3552 SWM-B

Tensile strength for wire  
; 11,000kg/cm<sup>2</sup> (1,100N/mm<sup>2</sup>)  
- test method ; KS B 0802

### B Bright

Bright steel is the norm for steel fibers in concrete

## Application

- Flooring
- Precast reinforcement



## Quality

- ISO 9001, ISO14001 registered,
- Confirms to ASTM A820

## Fiber quantity & Length

- approx. 4,500—5,500 pieces/kg
- Fiber Length : 288m/kg

## Packing

- 20kg degradable bag
- 1ton bag



## How to dose

- Manual counting
- Automatic dosing machine

## How to input

- by using conveyor belt
- by airblower

## Performance

Its performance depends on dosage. Pls check performance data when designing.

### Flexural tensile strength $f_{u,fl}$

$$f_{u,fl} = 0.4 \times (f_c)^{2/3}$$

$f_c$  ; cylindric compressive strength  
N/mm<sup>2</sup>

**Equivalent flexural strength** is tested by JSCE-SF4 for 3mm deflection.

### Equivalent flexural toughness ratio $R_{e,3}$

$R_{e,3}$  = Equivalent flexural strength/flexural strength x 100

Dosage kg/m <sup>3</sup>	15	20	25	30	35	40
$R_{e,3}$	42	55	70	78	85	90

### Tensile strength after cracking

$$f_t = 0.37 \times \text{equivalent flexural strength}$$



**HICO LTD (주) 하이코**



213-2, Changyong-ri, Youngin-myeon, Asan-si, 336-822, Korea  
우) 336-822 충남 아산시 영인면 향룡리 213-2 hicoltd@hicoltd.com  
tel+82 2 521 5231 fax+82 2 6008 5502 www.hicoltd.com