



## Milled cut steel fibers for concrete reinforcement

Milled cut steel fibers for concrete reinforcement are made of prime steel slabs – quality S 355, according to EN 10025.

After the manufacturing process results milled cut fibers with a triangular longitudinal twist, rough surface, hooked end and a soft longitudinal torsion.

Milled cut fibers are used for concrete reinforcement, soft concrete ( $\theta$  aggregate  $\leq 8$  mm) used in different constructions.

### Application:

- industrial floors
- parking places
- tunnels
- slope stabilization
- roads, bridges, highways
- runways for airports
- anti-seismic
- bank safe box
- sport courtyards



Milled cut fibers for concrete reinforcement are certified in Romania according to Technical Agreement no. 003-01/ 051 – 2007.



### Advantages:

#### 1) Increasing the durability in different construction works:

- Reinforcement of the road concrete used for the construction and maintenance of highways, airports, parking places and industrial floors;
- Reinforcement of the hidrotechnical concrete used for the construction and maintenance of the tunnels, railway tunnels, subway tunnels and slopes stabilization;
- Reinforcement of the concrete used at civil and industrial works, military works, infrastructure and superstructure of the road and railway bridges.

#### 2) Improved qualities of the reinforced concrete with milled cut fibers:

- resistance at elongation
- resistance at mechanic shock
- resistance at repeated frozen – thaw
- reducing or the cracking tendency

#### 3) Homogenous distribution of milled cut fibers when being mixed with the concrete

#### 4) Milled cut fibers do not pollute the air, water or the sole

#### 5) Reinforced concrete with milled cut fibers has the capacity of phonic isolation

### Technical details:

Form	Length (mm)	Width (mm)	Tensile/ Strength (N/mm <sup>2</sup> )
- triangular transversal section  - hooked ends  - light longitudinal torsion	32 ± 2	3.80 ± 0.50	min. 800

**Packing:** in cardboard boxes of 20 – 25 kg, set on wooden pallets of 1 tone, well protected with plastic folio and metallic strips

**Yearly production :** 15.000 to