

Product Data Sheet



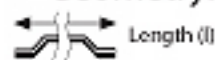
- Description:** *imix XS* fibers are filaments of wire, deformed and cut to lengths, for reinforcement of concrete, mortar and other composite materials. *imix XS* RC-65/60-BN is a cold drawn wire fiber, with hooked ends, and glued in bundles.



- Applications:**

Slab on Piles	Overlays
Liquid Tight Floors	Piles
Industrial and warehouse floors	Foundations

- Geometry:**



Length (l)

60 mm (2 3/8 in)



Diameter (d)

0.90 mm (0.035 in)

65	Performance class: 65
65/60	Aspect ratio (= l/d): 67

3200 fibers/kg
1450 fibers/lb

- Tensile strength:**

- on the wire: minimum 1000 N/mm² (145 ksi)

- Coating:** None

- Approvals:**

Conforms to
ASTM A820

Quality System in



Recommendations - mixing

1. General

preferably use a central batching plant mixer
recommended maximum dosage:

Dosage (kg)	Aggregate size		
	1/16" to 5/16"	3/16" to 5/8"	3/16" to 1 1/4"
pour	185	120	100
pump	135	90	75

a continuous grading is preferred
mix until all glued fibers are separated into individual fibers. Fibers don't increase mixing time significantly.

If special cements or admixtures are used, a preliminary test is recommended



2. Fiber addition

2.1. In batching plant mixer

never add fibers as first component in the mixer
fibers can be introduced together with sand and aggregates, or can be added in freshly mixed concrete



2.2. Truckmixer

run mixer at maximum drum speed: 12-18 rpm
adjust slump to a min. of 12 cm (5 in)
(preferably with water reducing agents or high water reducing agents)
add fibers with maximum speed of 60 kg/min (132 lb/min)
after adding the fibers, continue mixing at highest speed for 4-5 min. (± 70 rotations)

2.3. Automatic dosing

Fibers can be dosed from bulk at rates up to 3.5 kg/sec (8 lb/sec) with a specially developed dosing equipment



Recommendations - storage



Protect the pallets against rain



Do not stack the pallets on top of each other

Delivered in



20 kg (44 lb)
non water-soluble
bags on pallet
1200 kg
(2645 lb)



big bag
1100 kg
(2425 lb)

- Technical data:**

For industrial floors, floors on piles... ask for specialized documentation.