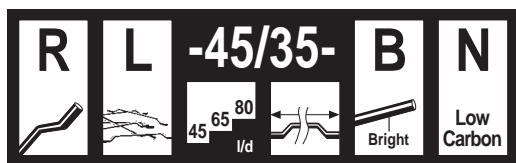


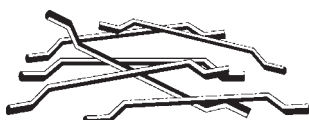


# Dramix®



• **Description:**

Dramix® fibres are filaments of wire, deformed and cut to lengths, for reinforcement of concrete, mortar and other composite materials. Dramix® RL-45/35-BN is a loose cold drawn wire fibre, with hooked ends.



• **Applications:**

- shotcrete

• **Geometry:**



30 mm



0,75 mm

**45** Performance class: 45  
Aspect ratio (= l/d): 47

7 800 fibres/kg

• **Tensile strength:**

- on the wire: minimum 1050 N/mm<sup>2</sup>  
- low carbon conforms to EN 10016-2 - C9D

• **Coating:** None

• **Approvals:**

Conforms to  
**ASTM A820**

Product

Turkey

**TS 10513**

Germany

**Z-3.71-1745**

Czech Republic

**C.070-021415**

**Quality System in**  
Belgian, Brazilian, Czech,  
Turkish and Chinese plants



Product

Poland

**AT-15-2117/2001**

Romania

**007-01/068-2003**

Slovak Republic

**1402A/02/0771/1/C/C04**

• **Technical data:**

For shotcrete, ...  
ask for specialized documentation

## Recommendations - mixing

### 1. General

- ✓ preferably use a central batching plant mixer
- ✓ recommended maximum dosage:

Max. aggregate size (mm)	Dosage (kg/m <sup>3</sup> )	
	pour	pump
8	160	120
16	100	75
32	80	60

- ✓ a continuous grading is preferred

### 2. Fibre addition

Bags are non-degradable and may not be thrown into the concrete.



#### 2.1. In batching plant mixer

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

#### 2.2. Truckmixer

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

## Recommendations - storage



Protect the pallets against rain



Do not stack the pallets on top of each other

Delivered in



non water-soluble bags of 20 kg on pallet 1000 kg

big bag 750 kg

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