



Dramix® Duo 100

Description:

Dramix® Duo 100 is a blend of Dramix® and Duomix®. Dramix® fibres are filaments of steel wire, deformed and cut to lengths, for reinforcement of concrete and mortar. Duomix® fibres are synthetic fibres. They reduce cracks during plastic shrinkage.

Applications:

- lightly loaded floors for commercial and residential buildings
- compression layers

Blend:

- 1 bag @ 10,6 kg is a mixture of 10 kg Dramix® RC-80/60-BN and 600 g Duomix® M13.
- Dramix® RC-80/60-BN is a cold drawn wire fibre, with hooked ends, and glued into bundles.



60 mm



0,75 mm

80	Performance class: 80				
<table border="1" style="font-size: 10pt;"> <tr> <td style="text-align: center;">65</td> <td style="text-align: center;">80</td> </tr> <tr> <td style="text-align: center;">45</td> <td style="text-align: center;">/d</td> </tr> </table>	65	80	45	/d	Aspect ratio (= l/d): 80
65	80				
45	/d				

4600 fibres/kg

Tensile strength on the wire: minimum 1050 N/mm².
Coating: none

- Duomix® M13 is a polypropylene multifilament fibre with length 13 mm.

Approvals for Dramix® RC-80/60-BN

conforms to
ASTM A820
Belgium
ATG 04/1857

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

Recommendations - mixing

1. General

- ✓ preferably use a central batching plant mixer
- ✓ **recommended dosage = 1 bag/m³**
- ✓ a continuous grading is preferred
- ✓ mix until all glued steel fibres are separated into individual fibres. Fibres don't increase the mixing time significantly.



- ✓ if special cements or admixtures are used, a preliminary test is recommended

2. Fibre addition

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
- ✓ **only for drummixer:** unopened degradable bags can be thrown directly in the mixer

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 the fibres at a maximum speed of 4 bags/min
- ✓ unopened degradable bags can be added provided that drum speed is min. 12 rpm
- ✓ 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



degradable bags of 10,6 kg on pallet 954 kg (90 bags)

Technical data:

For lightly loaded floors, and compression layers, ask for specialized documentation.

N.V. Bekaert S.A. - Bekaertstraat 2 - 8550 Zwevegem - Belgium
Tel. +32 (0) 56 / 76 69 86 - Fax +32 (0) 56 / 76 79 47
Internet: <http://www.bekaert.com/building>

Values are indicative only. Modifications reserved. All details describe our products in general form only. For ordering and design only use official specifications and documents. N.V. Bekaert S.A. 2005