

X-SBR COATED CHOPPED STRANDS

BASALT CHOPPED FIBRE

24 ± 1 mm

For concrete, mortar and asphalt mixes.



MATERIAL DATA

SPECIFICATION LIMITS AND REPORTED TEST RESULTS

PROPERTY	SPECIFICATION	REPORTED TEST RESULT
Fibre length	24 ± 1 mm	23.8 mm
Fibre diameter	16 ± 1 µm	16.6 µm
Breaking strength	≥1,000 MPa	1,420 MPa
Elongation at break	2 to 3%	2.4%
Strength retention	≥85%	90%
Density	≥2.6 g/cm ³	2.63 g/cm ³
Moisture content	≤0.20%	0.05%
Oil absorption	≤6.00%	4.96%

Source: replacement BasaltechSA fibre flyer supplied on 1 October 2026. Reported results are transcribed from that flyer. Request the underlying laboratory report for test methods and conditioning. Custom lengths are available on request.

X-SBR COATING

Styrene-butadiene coating supports bonding and dispersion in the mix.

CRACK CONTROL

Distributed reinforcement can help control small cracks and contribute to toughness.

NON-METALLIC FIBRE

Basalt reinforcement does not rust like steel. Confirm durability for the intended exposure.

Strength retention: the flyer reports 90%; exposure conditions and test duration are not stated. Material properties do not describe the strength of the finished concrete or asphalt.

APPLICATIONS & DOSAGE

Guidelines for project planning and mix trials.

ASPHALT



Wearing courses, overlays, patch repairs and heavy-traffic intersections.

PRECAST



Panels, pipes, culverts, kerbs and manufactured concrete elements.

FLOORS



Factory floors, warehouse slabs, workshops and logistics centres.

PAVEMENTS



Concrete roads, driveways, aprons and other trafficked paved areas.

DOSAGE BY APPLICATION

FINAL DOSAGE SUBJECT TO THE ENGINEER'S SPECIFICATION

APPLICATION	GUIDELINE DOSAGE
Residential concrete floors	1.5 to 2.5 kg/m ³
Industrial floors	2.5 to 4.0 kg/m ³
Warehouse slabs	3.0 to 5.0 kg/m ³
Concrete pavements	3.0 to 6.0 kg/m ³
Thin concrete roads	4.0 to 6.0 kg/m ³
Precast elements	2.0 to 4.0 kg/m ³
Asphalt mixes	3 to 5 kg per tonne of asphalt

Detailed application values from the supplied flyer. Its combined industrial and warehouse summary gives 2.5 to 5 kg/m³; the separate rows above distinguish the two applications. Confirm dosage, dispersion and performance through mix design and trials.

SPECIFICATION SUPPORT

The supplied flyer references EN 13249:2016 and certificate 1029-CPR-CN23/00000094 (SGS, notified body 1029). Request the certificate and confirm its scope for the intended product and application. Obtain the laboratory report and safety data sheet before specification or use.

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