

Construction
and repair

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Basalt Rebars

Product description

Basalt fiber reinforcement cannot corrode compared to steel reinforcement. The concrete cover can be reduced by at least one third.

Cost savings result from the three times lighter weight and four times higher tensile strength. Concrete reinforced with basalt fiber rebars can therefore achieve up to **twice the service life**.

Application

Basalt fiber reinforcement does not rust and is stable against salt ions, chemicals and alkalis in concrete.

They have a very low coefficient of thermal conductivity and electromagnetic neutrality, which makes them suitable for use in laboratories, power plants, hospitals and buildings near large train stations.



Packaging

up to 8 mm	Rolls of 200 m Ø ca. 180 cm
10 mm	Rolls of 100 m Ø ca. 180 cm
from 12 mm	Bunch of 10 rebars of à 6 m

Ø	Item number	Weight	Cross-section	Ultimate tension	Tensile strength	Modulus of elasticity	Limiting strain
mm		kg/m	mm ²	KN	MPa	GPa	%
4	060.0004.00.90	0.026	12.56	16.96	1350	55.00	2.3
6	060.0006.00.90	0.057	28.26	35.33	1250	55.00	2.27
8	060.0008.00.90	0.104	50.24	60.29	1200	55.00	2.18
10	060.0010.00.90	0.162	78.50	94.20	1200	52.00	2.31
12	060.0012.00.10	0.219	113.04	124.34	1100	50.00	2.2
14	060.0014.00.10	0.307	153.86	153.86	1000	48.00	2.08
16	060.0016.00.10	0.416	200.96	200.96	1000	48.00	2.08
18	060.0018.00.10	0.513	254.34	288.9	900	45.00	2.08
20	060.0020.00.10	0.635	314.00	286.2	900	45.00	2.08
22	060.0022.00.10	0.770	379.94	303.95	800	42.00	2.00
24	060.0024.00.10	0.992	452.16	361.73	800	42.00	2.00