



UGIGRIP®

Choosing durability

Member of Swiss Steel Group



Stainless steel concrete reinforcing bar

Standards

- › Analysis conforms to NF EN 10088-1
- › Geometry and mechanical properties conform to NF A 35-014, BS 6744 and DIN488
- › Certification UK CARES 150305

UGIGRIP® dimensional range of bars and ribbed coils

UGIGRIP® range		Technical data	Tolerances
Bar	Ø 6 to 25mm	Up to 12,000mm	+100/-0mm
Coil	Ø 6 to 14mm	900/1,800kg coils Inside diameter = 600mm Outside diameter = 1,200mm max Height = 600mm max Anti-time schedule	+/-15%

Exposure classes to NF EN 206-1

Exposure class		Ugitech recommendation
Class XC (carbonation)	XC1 to XC4	UGIGRIP® 4062
Class XD (chlorides other than marine chlorides, including road salt)	XD1 and XD2	UGIGRIP® 4062
	XD3	UGIGRIP® 4362
Classes XS (marine chlorides)	XS1	UGIGRIP® 4362
	XS2 and XS3	UGIGRIP® 4462
Class XF (freeze/thaw with de-icing agent)	XF1 and XF2	UGIGRIP® 4362
	XF3 and XF4	UGIGRIP® 4462

Ugitech recommendation doesn't take quality (porosity and permeability) of concrete into account.

Attainable mechanical properties

Conventional yield strength of cold-ribbed products as defined NF A35-014

- › UGIGRIP® 4062: B500B/B650B/B750B
- › UGIGRIP® 4362: B500B/B650B/B750B
- › UGIGRIP® 4462: B500B/B650B/B750B

Advantages of UGIGRIP®

- › Less maintenance and increased service life of structures.
- › Less concretes: lighter structures.
- › Reduced sections (high mech. char.), weight-saving.
- › Thermal conductivity at 20°C (W.m-1.K-1) = 15.
- › Stocks available in bars and coils.

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