

UGIGRIP®
Choosing durability



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.



The information and data presented here in are typical or average values and are not a guarantee of maximum or minimum values. Only the information reported on our material certificates is to be considered as relevant.
Applications specifically suggested for material described here in are made for the purpose of illustration only to enable the reader to make its own evaluation and are not intended as warranties, either express or implied, of fitness for any purposes.

Swiss Steel Group

abc@swisssteelgroup.com
www.swisssteel-group.com