

UGIGRIP®

Choosing durability



**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

UGIGRIP® dimensional range of bars and ribbed coils

UGIGRIP® range	Technical data	Tolerances
Bar Ø 6 to 25mm	Up to 12,000mm 900/1,800kg coils Inside diameter = 600mm	+100/-0mm
Coil Ø 6 to 14mm	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)	UGIGRIP® 4062 UGIGRIP® 4032 UGIGRIP® 4670
Class XD (chlorides other than marine chlorides, including road salt)	UGIGRIP® 4062 UGIGRIP® 4032 UGIGRIP® 4670
XD3	UGIGRIP® 4362
Classes XS (marine chlorides)	UGIGRIP® 4362 UGIGRIP® 4462 UGIGRIP® 4529
XS1	UGIGRIP® 4362
XS2 and XS3	UGIGRIP® 4462 UGIGRIP® 4529
Class XF (freeze/thaw with de-icing agent)	UGIGRIP® 4362 UGIGRIP® 4462 UGIGRIP® 4529
XF1 and XF2	UGIGRIP® 4362
XF3 and XF4	UGIGRIP® 4462 UGIGRIP® 4529

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
- UGIGRIP® 4032: B500B/B650B/B750B
- UGIGRIP® 4670: B500B/B650B/B750B
- UGIGRIP® 4529: B500B

Advantages of UGIGRIP®

- Less maintenance and increased service life of structures.
- Less concretes: lighter structures.
- Reduced sections (high mech. char.), weight-saving.
- Stocks available in bars and coils.
- Reduced thermal conductivity.

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.