

# Properties of weathering steels COR-TEN®

Grade	max. plate thickness [mm]	grade acc. to EN 10025-5	alloying elements	R <sub>e</sub> , min [MPa]	R <sub>m</sub> [MPa]	A <sub>min</sub> [%]	T <sub>27</sub> [°C]
COR-TEN A	12.5	S355J2WP+N	Cr Cu P	355	470-630	20	-20
COR-TEN B	50	S355J2W+N	Cr Cu	355 (t ≤ 16mm)	470-630	20	-20

- increased resistance against atmospheric corrosion by formation of a protecting oxidation layer
- unproblematic in processing
- Usage for bridges, buildings, industrial constructions
- unprotected usage (no painting) possible depending on environmental conditions

