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www.valsparindustrialmix.com

TI-G2/USA

INDUSTRIAL MIX

General Information: Rust Grades

Rust grades on steel

Steel is classified according to the corrosion attack in rust degree.

Coated surfaces

You can compare the degree of corrosion to the painted area. For example, when the measured result is below 1% (1 in 100), the rust degree is R1.

Degree of rust	Pictures of rust – DIN EN ISO 4628-3 and DIN 53210	Covered rust area
Ri 0		Without rust
Ri 1		C. 1%
Ri 2		C. 3%
Ri 3		C. 10%
Ri 4		C. 30%
Ri 5		C. 50%



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Uncoated (Bare) steel surfaces

The rust grade is also compared visually. It is given as A-B-C and D graduation, this determines the coverage of areas with rust, mill scale and scale.

Degree of rust	Pictures from rust ISO 8501-1+2 and DIN 55928	Condition
A		The whole surface is covered with mill scale and scale – no rust
В		Beginning to rust – Mill scale and scale is starting to show
с		Mill scale and scale from corrosion process – degraded or removable. – barely visible pitting corrosion
D		Completely rusted – Extreme pitting corrosion visible

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