Hardox/RockHard/NM 400

Suitable for general abrasion applications requiring an excellent balance of wear resistance, toughness and fabrication performance.

Hardox/RockHard/NM 450

Offers higher wear resistance than 400 grade, making it ideal for demanding mining, quarrying and material handling applications.

Hardox/RockHard/NM 500

Premium wear-resistant grade engineered for severe service conditions where maximum abrasion resistance and component life are essential.

Technical Specifications

Mechanical Properties

Property	400	450	500
Typical Hardness (HBW)	370–430	425–475	470–530
Typical Yield Strength (MPa)	1000	1200	1300
Typical Tensile Strength (MPa)	1250	1400	1550

Typical Chemical Composition

Element	400	450	500
Carbon (Max %)	0.24	0.26	0.30
Manganese (Max %)	1.60	1.60	1.60
Chromium	Typical	Typical	Typical
Boron	Micro-alloyed	Micro-alloyed	Micro-alloyed

Note: Verify all values against the latest manufacturer specifications and corresponding Mill Test Certificates before publication.

Product Specifications

Specification	Details
Product	Wear Resistant Plates
Grades Available	Hardox/RockHard/NM 400, 450 & 500
Source	Leading Indian Steel Manufacturers
Mill Test Certificate	Available
Material Traceability	Available
Processing Services	Available on request