

NM400 (Abrasion Resistant Steel Plate)

EQUIVALENTS:

Hardox 400
XAR 400
Rock Last 400

COLOUR CODE:



VRN 400 (Wear Plate)

CHEMICAL COMPOSITION (%):

	C	Si	Mn	S	P	Cr	Ni	Mo
Min								
Max	0.30	1.00	2.20	0.01	0.025	1.00	0.70	0.50

CARBON EQUIVALENT VALUE FORMULA TO BE USED:

$$CE = C + \frac{Mn}{6} + \frac{(Cr + Mo + V)}{5} + \frac{(Cu + Ni)}{15}$$

MECHANICAL PROPERTIES:

Grade:	Tensile Strength Rm/Mpa	Elongation %	Impact - 20°C Kv/J	Hardness Brinell
NM400	1200 MAX	10 MAX	24 MAX	360/440

CHARACTERISTICS:

- Abrasion resistant steel plate
- Readily weldable low hydrogen electrodes must be used to avoid cracking in the heat affected zone

TYPICAL APPLICATIONS:

- Earth moving equipment
- Chute liners
- Hoppers
- Wear plates conveyor buckets
- Mine scrapers
- Dragline components
- Bin liners
- Brick and tile dies
- Mixer blades

TOLERANCES:

Thickness tolerances should be according to EN10029D (as per table)

TOLERANCE OF NORMAL THICKNESS

Normal Thickness	Min	Max
≥ 8 - < 15	-0.085	+0.85
≥ 15 - < 25	-0.095	+0.95
≥ 25 - < 40	-1.1	+1.1
≥ 40 - < 80	-1.4	+1.4

DELIVERY CONDITION:

- Quench and tempered