

HARDOX® 600**ABRASION RESISTANT PLATE**

HARDOX 600 is an abrasion resistant plate with a target hardness of 600 HB, intended for applications requiring an extremely high abrasion resistance.

APPLICATIONS

Liners, cutters, crushers, feeders, chutes, shredders, screen plates etc.

CHEMICAL COMPOSITION
(charge analysis)

Plate thickness mm	C max %	Si max %	Mn max %	P max %	S max %	Cr max %	Ni max %	Mo max %	B max %	CEV typv.	CET typv.
8-30	0,45	0,7	1,0	0,015	0,010	1,2	2,5	0,8	0,004	0,76	0,54
(30)-50	0,48	0,7	1,0	0,015	0,010	1,2	2,5	0,8	0,004	0,85	0,61

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

$$CET = C + \frac{Mn + Mo}{10} + \frac{Cr + Cu}{20} + \frac{Ni}{40}$$

The steel is grain-refined.

HARDNESS

HBW
570 – 640 HBW

TESTING

Brinell hardness HBW according to EN ISO 6506-1, on a milled surface 0,5-2 mm below plate surface per heat and 40 t.

FORM OF SUPPLY

Quenched. When necessary, hardness is adjusted by means of subsequent tempering.

DIMENSIONS

HARDOX 600 is supplied in plate thicknesses 8-50 mm.
More detailed information on dimensions is provided in our General Product Information, E-5.

TOLERANCES

According to EN 10 029.
– Tolerances on thickness according to Class A.
– Tolerances on flatness according to Class N.
(Normal tolerances)

SURFACE FINISH

According to EN 10 163-2.
– Requirements according to Class A.
– Repair conditions according to Subclass 1.
(Repair by welding is allowed)

GENERAL TECHNICAL DELIVERY CONDITION

According to our brochure General Product Information, E-5.

HEAT TREATMENT

HARDOX 600 is not intended for further heat treatment.

FABRICATION

Our Technical Customer Service Department will provide further information on request.