



TECHNICAL DATA

DELORO™ 15 ALLOY

DELORO™ NICKEL-BASED ALLOYS for hardfacing exhibit excellent corrosion, abrasion, and wear-resistance (up to 600°C), and have a wide melting range allowing them especially to be applied by the spray & fuse and powder welding processes. The alloys are machinable, except for Deloro 60, which can be ground. These nickel, chromium, boron hardfacing alloys produce very hard dense corrosion resistant coatings with superior fusing characteristics.

DELORO™ 15 is soft, tough alloy easily applied™ by spray and fuse or powder welding. Used to build up and join, especially on cast iron. Size KS is often used for the repair of fine defects on glass forming molds, whilst size K is used for local repair of larger defects. Machinable.

NOMINAL CHEMICAL COMPOSITION (MASS%)

ALLOY	Ni	Cu	C	Si	B	Fe	Others
Deloro™ 15	Bal.	20,0	<0,05	2,0	1,1	0,5	-

PHYSICAL PROPERTIES

ALLOY	Hardness	Density	Melting Range
Deloro™ 15	180 - 230 DPH	~ 8,65 g/cm ³	~ 1200-1350°C

PRODUCT FORMS

Consumables for Cladding / Hardfacing				
Powder	PTA Cladding	Laser Cladding	Powder Welding	Spray & Fuse

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