

## **CARBO DURIT CN 60**

Standards		DIN 8	DIN 8555 E21-GP					
Characteristics		CARBO DURIT CN 60 is a nickel based alloy welding rod including crushed sintered tungsten carbide fragments for the oxyacetylene welding process.						
Operating temperature								
Typical applications		It is to expect on-armour-platings of tools and machine parts in the mining, road construction, well digging, special civil engineering, depression drilling technology, where strongest abrasion by minerals may occur.						
Recommendations for best welding results		To get a good result the welding areas should be properly cleaned of rust, grease, tinder and similar pollutions. Apply a thin layer of NiCrBSi befor hardfacing. Use a neutral or slightly carburizing flame with enough heat to be able to move the carbide chips around locating them properly before the nickel alloy freezes. The selection of the grain size und the rod diameter depend on the application and the size of the tool to be hard faced. Lower particle sizes are recommended when the wear from abrasion is dominant, bigger sizes for fitting a tool for stronger cutting strength.						
Mechanical properties of all-weld metal		Hardness of sintered tungsten carbide HV						
(typical values)		> 2300						
Weld metal analysis (typical, wt. %)		Ni-Base Matrix Sintered tungsten carbide						
		ca. 40			ca. 60			
Rod length	350	mm	450m	m	450mm	450mm	Colour	kg/packet
Rod weight	25		500g		750g	1000g		ng/puenet
Grain sizes mm	1,6-				1,6-3,2	1,6-3,2	Blue	25
	3,2-	, ,			3,2-4,8	3,2-4,8	Green	25
	4,8-		4,8-6,4		4,8-6,4	4,8-6,4	Yellow	25
6,4		-8,0 6,4-8,0			6,4-8,0	6,4-8,0	Red	25
	8,0-	9,5	9,5 8,0-9,5		8,0-9,5	8,0-9,5	White	25

Other grain sizes are possible on request Rev. 000

9,5-11,0

Statements on composition and application are just for the applier's information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. Carbo-Weld may change the characteristics of its products without notice. We recommend the applier to check our products for their special application autonomously.

9,5-11,0

9,5-11,0

black

25

9,5-11,0