

The microstructure of the ZK plate overlay is a mixture of high volumes of hexagonal shaped Chromium Carbides in a tough matrix of austenite and martensite.

Chemical Composition & Hardness					
Grade	C%	Cr%	Others	Hardness	Application
ZK-X	3.5	20	Mn Si Fe	650-750HV	High abrasion, moderate impact
ZK-N	3.5	20	Nb Mn Si Fe	700-800HV	Severe sliding abrasion and fine particle abrasion with low impact
ZK-H	3.5	20	Nb Mn Si V Mo W Fe	750-850HV	Severe sliding abrasion with high temperature
ZK-I	3.5	20	Nb Mn Si Fe	550-650HV	High abrasion and high impact
Other alloys may be added to enhance properties and extend performance.					