

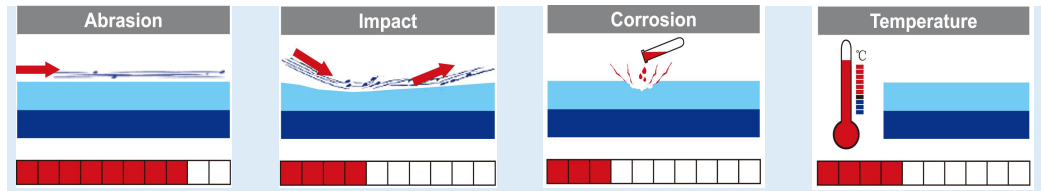
SWP-700B CCO Plate

Chromium Carbide Overlay



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Material Characteristics



Backing plate

Q235B / A36 / SS400 Mild Steel

High-chromium / high-carbon alloy: C-Cr-Cn-Mn-Si-Ni-Nb-Fe. Cr7C3 carbide volume fraction: over 50%

Main Chemical Composition (wt%), triple layer welded

Material type Alloy components

C	Cr	Mn	S	P	Si	Mo+Nb+B+Ni+V+W+other
4.5-5.5	23-28	0.6-1.0	≤0.015	≤0.021	0.7-1.2	1.6-2.5

Hardness

Single layer: 55-60 HRC; Double layer: 60-62 HRC; triple plus layer: 60-64 HRC

Alloy Description

Martensite chrome carbide iron

Main industries

Steel, cement, power, mining, sand and gravel, concrete, Pulp and Paper.

Application

Chutes, ducts, pipes, elbows, fittings, tubes, liners, etc.

Temperature

Up to 450°C

Thickness

5+3, 4+4, 6+4, 8+5, 8+6, 8+7, 8+8, 10+8, 10+10, 12+12,
Customized thickness is available.

Standard Size

Cladded area: 4.25m² per piece (1480*3041mm, 1470*3062mm,
1460*3083mm,1450*3104mm); Customized size is available.

Formability

Minimum Rolling Radius: 300mm (for 5+3 plate, with hard facing in side)

Machinability

Plasma cutting, saw cutting, laser cutting, water jet cutting, gouging,
countersink, stud bolt.

This data sheet corresponds to the present state of production (November 2020) and can be changed anytime.

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