

SÄKAPHEN GmbH

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**TECHNICAL
DOCUMENTATION****SÄKAPHEN Coating
Si 57 E-HC black
Product Data Sheet**

Characteristics:	duroplast coating with improved heat conductivity
Basis:	phenolic epoxy resin
Colour:	black / satin
Fields of application:	heat exchangers, condensers, evaporators, water treatment equipment, desalination plants for sea water, pipe-work of steel and stainless steel
Chemical resistance:	resistant to strong alkaline to weak acid media, all type of cooling waters including brackish-, river- and sea-water, salt solutions, greases, oils solvents, gases, high resistance to radioactive radiation
Film thickness:	approx. 180 µm
Temperature resistance:	- 20° to + 180/200° C
Heat conductivity	5,10 W/mK
pH-Range:	3 to 14
Pinhole testing:	800 Volt AC dry / 67,5 Volt AC wet
Pendulum hardness acc. to König:	200 sec.
Break-off-resistance:	15 N/mm ²
Impact strength:	> 1000 mm fall / 1 kg acc. to DIN 55669