



COATING OF EQUIPMENT REQUIRING EXTREME WEAR AND CORROSION RESISTANCE EVEN IN HIGH TEMPERATURES



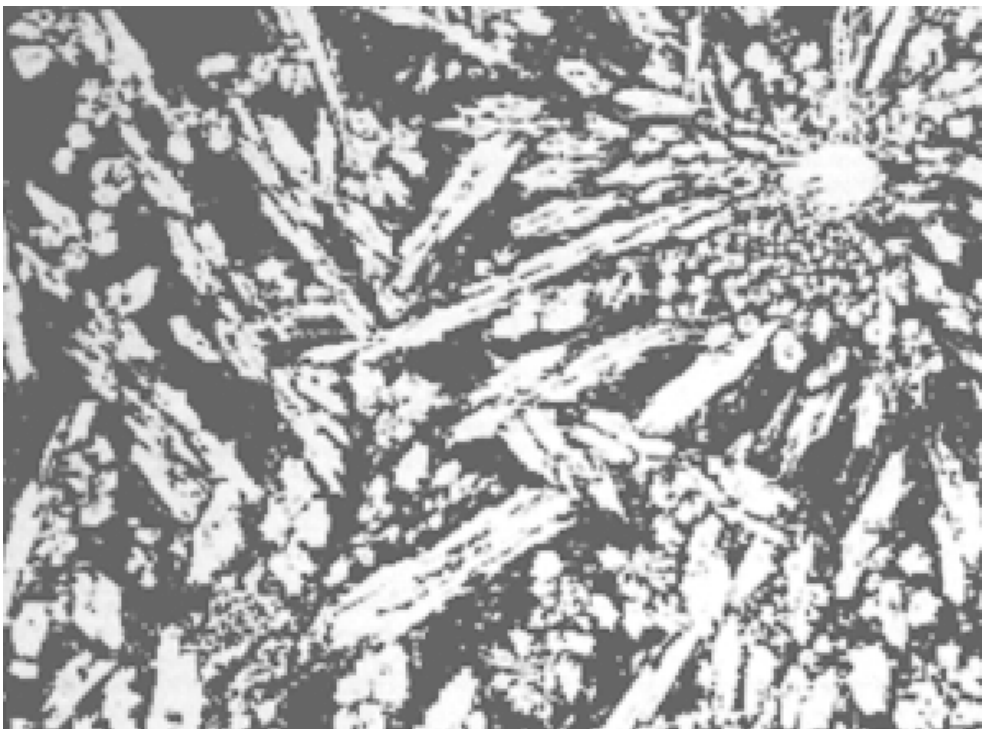
TEKE EXTREME WEAR PLATE

**WITH CHROMIUM-CARBIDE
COMPOUNDS**

**Due to the unique manufacturing method the
hardness of the material remains unchanged
throughout the 4-10 mm coating
(hardness min. HV 650-750).**

WHEN COATING WITH CERAMIC COMPOSITE IS NOT ENOUGH TEKE EXTREME WEAR PLATE

TEKE is professional in coating with wear-resisting ceramic composites. When the properties of the composites are not adequate in extreme conditions there still remains a solution: TEKE Extreme Wear Plate compound material coating. It is applied e.g. in equipment in power plants and in mining, steel and paper industries. Applications are such as transport screws, feeding hoppers, cones, pipe elbows and base rails of the conveyors conveying extremely corrosive materials.



The very high wear resistance of this material is based on the extremely hard, long chromium-carbide crystal structures in the steel material. In this compound steel the hardness remains high throughout the coating, resisting wear, corrosion and heat. Compared with general competing materials in the market, this coating gives a multiple in-service life.

With a plasma cutter TEKE cuts suitable-size pieces that are welded on the equipment to be coated. TEKE also delivers pipe-formed or cone-formed pieces, delivery time is 12-16 weeks.



Examples of the application of TEKE Extreme Wear Plate:



Transfer screws where, in addition to ceramic composite, compound steel has been used as extra reinforcement in the areas most exposed to wear.



A coal feeding hopper of a power plant.



Seams between the compound steel pieces are hard welded.

TEKE EXTREME WEAR PLATE coating to equipment where ceramic compound coating is not enough.

This document can be found also in the net:
www.teke.fi/tekeextremeplate.pdf



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TEKE is a service company specialized in coating of metal and concrete, reinforcing structures, and doing blastings.

TEKE has a wide selection of coating materials for the protection of metal and concrete in equipment exposed to erosion, corrosion, and chemicals. Thanks to our Nordic co-operation (www.skiu.se) our service capabilities are high, and we can carry out even extensive projects.

TEKE'S SERVICES (see more in www.teke.fi)

Metal and concrete coatings (www.teke.fi/teke.pdf)

- vacuum and centrifugal pumps, transport screws
- tanks, flue gas equipment, floors

Carbon fibrecomposite reinforcements for (www.teke.fi/carbonfibre.pdf)

- concrete, metal and wooden structures

Almost dust free blastings before a coating (www.teke.fi/tekeblasting.pdf)

- paper machine frames
- (and MSS 595 coating with RAL-tone according to wishes)
- paper rolls and end plates of rolls, suction rolls, cranes

Special cleaning blasts in power plants (www.teke.fi/powerplant.pdf)

- superheaters, ECO and LUVVO equipment