



MINING INDUSTRY

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All different types of mining rely on **capilla**.



THE PROBLEM

Impact, abrasion, erosion, corrosion, heat and overload slowly but surely reduce the product quality, lead to a declining functionality, performance and a limited load capacity.

More and more often, this results in longer lasting plant downtimes and lets operating costs rise to incalculable amounts.

THE SOLUTION

capilla-products reduce plant downtimes caused by repair and maintenance, increase product reliability and quality, decrease energy costs and thus enhance the productivity remarkably.

All **capilla**-products were created with more than 50 years of experience in forging, the most demanding welding application.

TYPICAL APPLICATIONS

Grinders, buckets, sifters, cones, excavator parts, conveyors, breakers, dies, earthmoving equipment, mixers, screw extruders, drill heads, drill pipes, pumps, platforms, staircases, scaffoldings, bridges, ramps, cranes, masts.

Demanding welders all over the world put their trust in the **capilla**-quality: in maintenance, repairs and production.

capilla always delivers the most suitable product.



capilla - The number 1 for all demanding metal-workers.

Below you can find a brief extract of the stick-electrode range manufactured by **capilla**, which are specifically used in the Mining Industry. A number of other products, as well as solutions for other welding processes can alternatively be provided by **capilla**.

	Product Description	Applications	Analysis [weight-%]	
49 KBS AWS A 5.1: E 7016	Special (double coated) stick electrode suitable especially for crack-free welding at service temperatures in the range of -40°C up to 450°C in all positions; suitable as well on AC.	For fusion welding of C- and C-Mn-steels such as: S 185 - S 355 JOC, P 235 GH, P 265 GH, P 295 GH, P 120 N - P 360 N, P 255 NH - P 355 NH, GS 38 - GS 52.	C	max. 0,06
			Mn	max. 0,9
			Si	max. 0,7
			Fe	Rest
540 EN 14700: E Fe 15-60-cg	Rutile-coated high recovery stick electrode for welding of highly wear resistant overlays at machine parts which are exposed to wear caused by abrasive substances. Base material: mild steels, low alloyed steels, steel casts and high manganese steel.	Hardfacing of moulds, agitator blades, dredger teeth, guidance, slides, components of hoisting devices etc. which are exposed to heavy abrasive wear in combination with moderate pressure or impact.	C	4,7-5,2
			Cr	32,0-35,0
			Fe	Rest
550 E EN 14700: E Fe 15-70-cgt	Carbide filled tubular stick electrode having a thin graphitic coating. The deposited material is extremely resistant to abrasive wear.	Hardfacing of coal ploughs and similar mining equipment, protection of screw compactors and screw conveyors, crusher and dredger teeth, oil drilling equipment	Tungsten carbides of various grain sizes embedded in an iron matrix	

Experts trust **capilla**.



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