



Zingametall is the manufacturer of ZINGA, a one component zinc rich coating or “Film Galvanising System” containing 96% zinc (dust) in its dry film.

This high content of Zinc allows a galvanic couple to be formed between the steel substrate and ZINGA, which ensures an active galvanic protection of the steel. The zinc in ZINGA® (anode) sacrifices itself, protecting the steel beneath in a comparable way to hot-dip galvanising. Upon impact, the electron flow resulting from a potential difference between the Zinc and steel will prevent the steel from corroding.

As the ZINGA® oxidises, a layer of zinc salts slowly builds up on the ZINGA® surface, closing the film and enhancing the barrier effect of the coating. Next to this, a supplementary barrier protection is provided by the binder in ZINGA®. The binder reduces the depletion of the Zinc, providing a long lasting protection.

But, in contrast to hot dip galvanization and metallization, ZINGA can be easily applied -like a paint- using a brush, roller or paint pistol on a clean steel surface. While ZINGA looks like a paint, it has some distinct characteristics: it has an unlimited pot life and will not peel off or crack. Furthermore, a dry layer of ZINGA does not contain any toxic elements allowing contact with potable water.

ZINGA is used as a stand-alone system (two layers of ZINGA) for excellent corrosion protection on normal or cast iron steel, on (old) hot-dipped structures, rebars, ... for a wide variety of projects (bridges, pylons, wind turbines, barriers, pipelines, ...) or as a duplex system with a colored topcoat.

For more information, go to www.zinga.eu