

J.M. INDUSTRIAL – BELGIUM

Testimonial letter issued by the company J.M. Industrial, dated 06/03/1993, 4 years after the successful application of ZINGA and Aquazinga on racks and other metal equipment and structures in brick manufacturing factories.

J.M. INDUSTRIAL.		IMPORT – EXPORT	
BALIESTRAAT 8			
B- 9000 GENT			
TEL. 091- 21 51 30 /30.06.89			
HRG-RCG 12 7.9 6 3			
BTW-TVA 5 8 6.6 8 4,5 0 6			
KREDIETBANK			
4 4 2-7011041-0 8			
		ZINGAMETALL BVBA	
		Rozenstraat 4	
		9810 EKE	
uw. ref.		onze ref.	
volne ref.		notre ref.	
		GENT,	
		6.03.93	
TESTIMONIAL REPORT			
<u>CONCERNING : SUCCESSFULL APPLICATIONS OF ZINGA AND AQUAZINGA</u>			
<u>APPLICATION FIELD</u>			
BRICK MANUFACTURING FACTORIES			
<u>CASE</u>			
MANUFACTURING BRICKS OCCURS GENERALLY IN 4 PHASES :			
1.			
Kneeding preparation of wet clayground and extrusion of it to aerated brick profiles.			
2.			
String cutting of the wet brick profile to individual brick shapes, and disposal of the wet clay bricks on mobile multi-level profile racks (made by welded galvanised steel profiles).			
3.			
Drying of the clay bricks by continuously moving the loaded mobile racks through a large warm air-blow dryer.			
This pre-drying prevents vapour tension bild up in the clay bricks and avoids cracks in the bricks during the following baking process in the furnance.			
4.			
Baking of the pre-dryed bricks in a furnance at 1200 ° C.			
./.			

jm industrial

JM-industrial
IMPORT - EXPORT
Baliestr. 8 - B-9000 GENT
☎ 091/21.51.30 - 30.06.89

Second page to our letter dated 6.03.93

PROBLEM

The mobile disposal racks for the wet clay bricks, are moving through the dryer in a very severe atmosphere of saturated moisted air of 80 ° C, during 48 hours. The permanent condensation of water vapour on the metal profile, develops very fast heavy corrosion on the racks. This is going so far that after a certain number of travelling cycles the racks are getting so much corrosion damage that they can no longer be used for their purpose. Using high quality stainless steel for the construction of the racks is too expensive to cover those costs, especially if all existing racks (several hundreds) are to be replaced. The client has tried so far a lot of different paintings including several zinc-rich coatings, but without any significant result.

SUCCESSFULL SOLUTION WITH ZINGA AND AQUAZINGA

Four years ago the customer tried Zinga and Aquazinga :
Properly ZINGA and AQUAZINGA coated (pre-sandblasted) mild steel plates were hanging as test plates on existing mobile racks.
The test was already convincing after a few months of continuously operating but the customer extended the running time through the dryer over more than one year, to confirm clearly the first positive results.
Both testplate groups with ZINGA and with AQUAZINGA have given no relevant corrosion marks, except a little bit rust on the corners of the Zingaplate and on the hole made for hanging up Zinga testplates on the racks.
On the otherside, no corrosion marks were found on the two-component Aquazinga testplate.
After those excellent preliminary tests on site, the customer decided to use further only ZINGA for repairing all old racks as well as for manufacturing new ones.
Since several years from now, the client is fully satisfied of using ZINGA; while his maintenance costs are reduced compared to before. However, this client has decided to use ZINGA because of its easy application and because of ZINGA being a mono-component product. This inspite of Aquazinga which was having better results but which is more complicated to apply and because of the restricted conditions required for AQUAZINGA.
Those clients are using in the meantime ZINGA also for all around applications inside and outside the factory.
They belong now to our regular customers who order frequently our products :

N.V. Steenbakkerij JANSSEN (group of Koramic - De Simpel)
Materstraat 191
2845 NIEL

ANTWERPSE MACHINE STEENBAKKERIJEN
Gentstraat 129
2698 TIELRODE

We hope having been of any help to you and remain, meanwhile,

Yours faithfully,


J. MAES