

Ref MA5

## METALLISATION – ZINC/ALUMINIUM

### General properties :

- Stable when spraying.
- Analysis of the deposit shows that the constituent relationship between the components remains identical after metallisation.
- Light grey in colour when spraying, it adopts a dark grey colour like a slate grey on contact with the atmosphere and becomes stable and uniform in colour some time after application. Please note that the coated parts must not be stored in humid conditions for the first 48 hours.
- The deposit is physically and chemically compatible with standard cold-applied painting systems. Only the presence in the paints of metallic pigments other than zinc or aluminium could give contra-indications.

### Applications :

- Protection against corrosion for metal parts or assemblies.
- Minimum recommended thickness depends on exposure to particular environments. Standard NF A91201 (Dec 1979)

	WITH PAINT	WITHOUT PAINT
Urban or rural environment		
Soft water		
Maritime environment		
Sea water		
Other environments	Contact us	

## TECHNICAL SHEET Ref Ma5

PROPERTIES	
Name	Zinc / Aluminium
Symbol	Zn Al 85/15
Composition %	Al : 14-16 Zn : 84-86
Bulk density	4.58
Average porosity %	20
Hardness	30 HB
Coefficient of expansion	$28 \times 10^{-6}$
Maximum working temperature °C	350
Melting temperature °C	410
Electrical resistivity 10 <sup>-6</sup> W cm	
Thermal conductivity Kcal dry -1° cm <sup>2</sup> cm	

MACHINING BY TOOL	BLANK	FINISH
Type of tool		
Depth of travel mm		
Travel mm / lathe		
Lubricant		
Cutting speed m/mn		
Ra µm		

ABRASIVE MACHINING	BLANK	FINISH
Abrasive		
Grain		
Grade		
Binding agent		
Depth of travel µm		
Travel m/mn		
Lubricant		
Speed of part m/mn		
Wheel speed m/s		
Ra µm		

### TREATMENTS AND IMPREGNATIONS

Hydrocarbonation  
Oxychlorination  
Impregnating paints  
Impact treatments

The information provided may be subject to variation depending on individual supplies and applications.  
Therefore, any information detailed in this technical sheet is provided in good faith and for guidance only. We cannot be held liable.