

TECHNOLOGY IN MOTION



**MACO  
TRICOAT**  
SURFACE



A Quantum Leap in Surface Technology!

**MACO  
TRICOAT**



Premature corrosion fittings can be triggered off by various influences from the environment or harmful substances. Until now, no surface coating has been able to adequately resist these increased attacks.

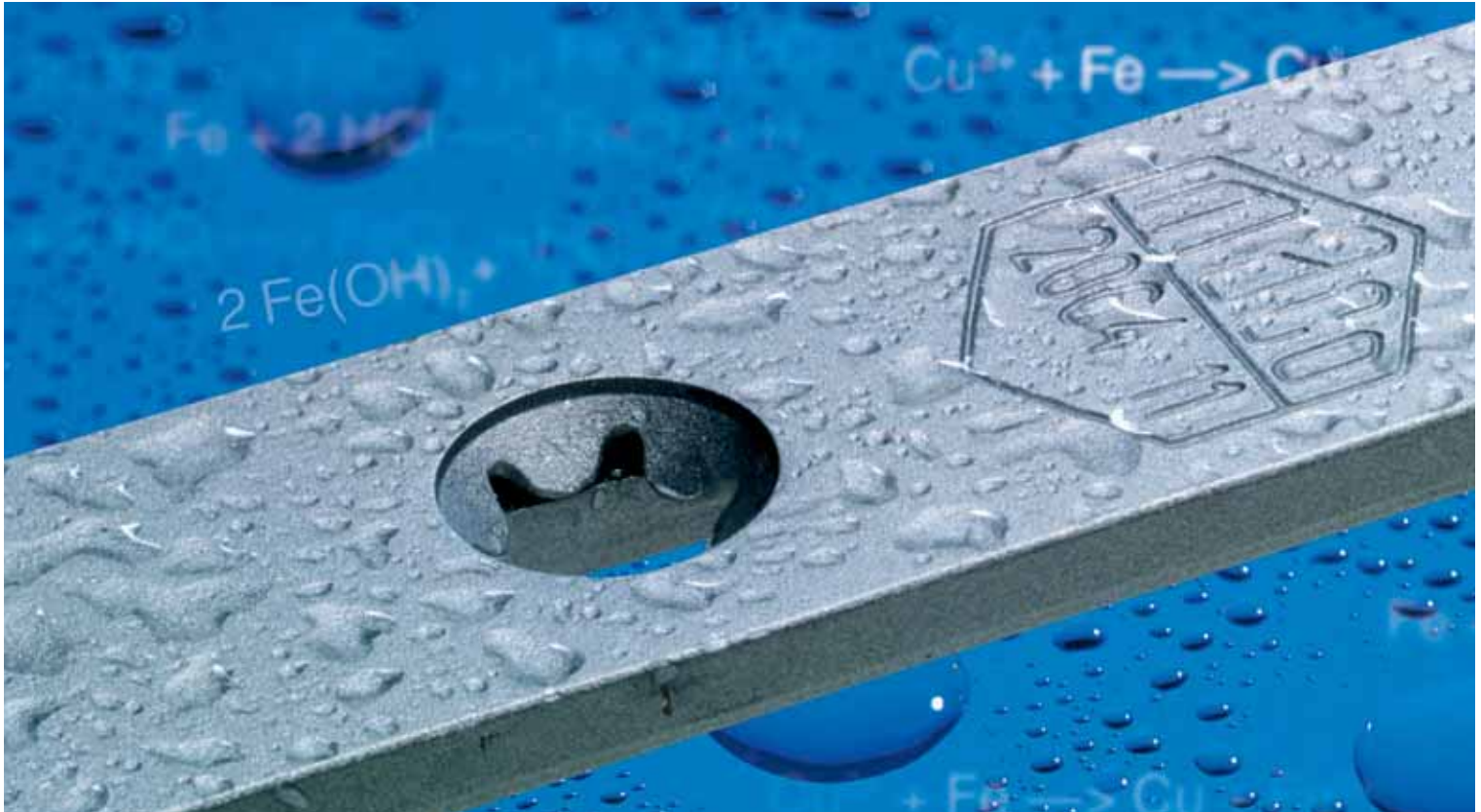


**MACO TRICOAT**  
Rust will run a mile!

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TRICOAT



## The new Formula Against Corrosion.



The revolutionary MACO TRICOAT surface provides outstanding features for use in regions with high saline air and in regions affected by increased chemical attacks.

It has achieved the highest performance level when salt-spray-fog tested in accordance with DIN 50021-SS.

Furthermore, MACO TRICOAT provides high resistance against chemical attacks from acids and alkaline solutions. The top and bottom

hinges are coated using a special powder coating procedure. The finely structured surface is extremely resistant to corrosion and scratching, and repels water and dirt.

The MACO performance when salt-spray-fog tested to DIN 50021-SS:

600 hours with a proportion of max.

5% white rust

1,000 hours with a proportion of max.

5% red rust

### **ATTENTION!**

Normally, individual unassembled fitting components are tested in the DIN 50021-SS salt-spray-fog test.

**With MACO, fully assembled fittings are always tested.**

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## Resistance Wherever Demanded!



### Applications for MACO TRICOAT

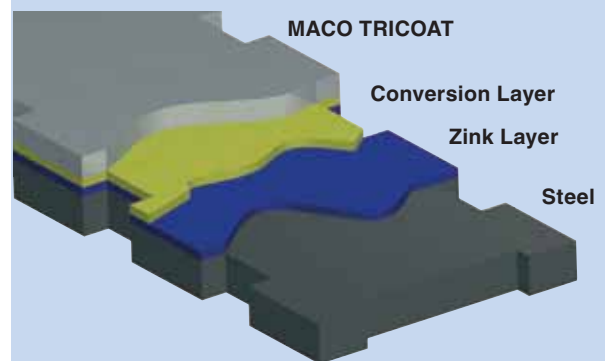
Generally, wherever the resistance to corrosion of the galvanised surfaces is no longer sufficient.

The MACO TRICOAT surface was developed specifically for these areas of application.

#### Possible Applications:

- Buildings near the coast or on islands.
- Buildings with a high concentration of lactic acid vapour (e.g. dairies, cheese factories).
- Buildings continually affected by chlorine vapour (e.g. swimming pools).
- Rooms continually exposed to high humidity (e.g. cellars, washrooms).
- Buildings with ammonia vapour (e.g. stables).
- Types of wood containing tannic acid (e.g. oak).
- Buildings situated near to heavy industry.

### Coating Structure of Steel Fittings



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Superiority wherever it is necessary!



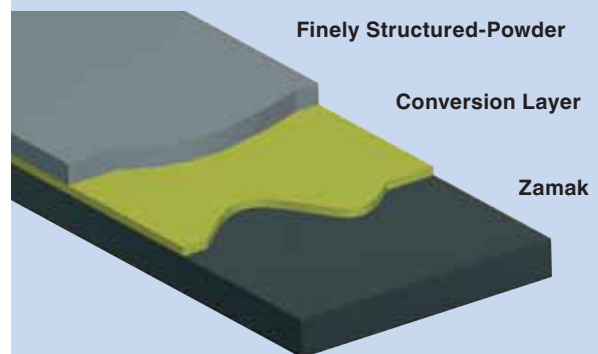
### The Highest Quality for the Visible Fittings!

Since the visible parts, such as the top and bottom hinges, are continually exposed to severe stresses, they are powder-coated using a special procedure.

This coating for the top and bottom hinges not only offers a high level of protection against corrosion and scratching, it also repels water and dirt.



### Coating Structure of Zamak-Fittings (Top and Bottom Hinges)



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## Colour and Long Life!



### What Colour is MACO TRICOAT Available In?

TRICOAT is only available in light grey.  
This colour also visually enhances the window and door.

### Special MACO TRICOAT Screws Ensure Quality!

Specially coated screws also form part of the overall MACO TRICOAT package. These screws prevent contact corrosion, thus ensuring that the quality of the window fittings last a long time.

### Range of screws

There are three sizes and two types of screw in our product range.

for Timber / PVC

4.0 x 22

4.0 x 30

4.0 x 40



for PVC

3.9 x 25

3.9 x 32

3.9 x 38



### Attention!

Only the special MACO TRICOAT screws should be used.

If other screws are used, contact corrosion can occur.

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Product Groups with the MACO TRICOAT Surface.

**MACO  
MULTI-TREND**  
TILT- AND TILT-TURN FITTINGS



**MACO  
PROTECT**  
DOORLOCKS



**MACO  
RAIL-SYSTEMS**  
PATIO FITTINGS



**MACO  
TRICOAT**



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**THE ENTERPRISES OF THE MACO-GROUP**

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