

TECHNOLOGY IN MOTION



**MACO
TRICOAT**
FITTINGS



A quantum leap in corrosion resistance!

SURFACE FINISH

**MACO
TRICOAT**



Premature corrosion of fittings can be triggered by various aggressive environmental influences. Up until now there has been no surface treatment available for fittings technology that could withstand such increased contaminants.

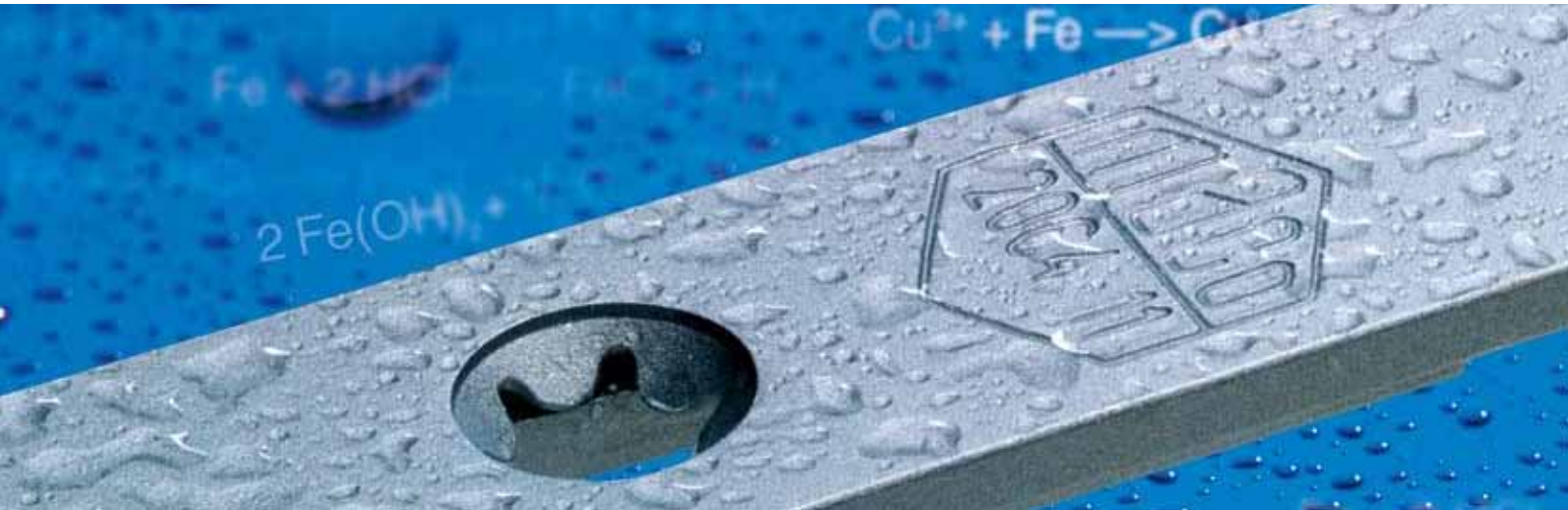


**MACO TRICOAT –
Rust will run a mile**

**MACO
TRICOAT**



The new formula against corrosion



The revolutionary **MACO TRICOAT** fittings provide excellent characteristics for application in regions with saline air, but also with increased chemical contaminants.

The highest values are achieved in the salt spray test in accordance with EN ISO 9227. In addition **MACO TRICOAT** fittings are equipped with a high level of resistance against chemical acid and caustic solution attacks.

The pivot post and scissor stay's surface coating is carried out using a special powder coating process. The fine-structured surface-finish is extremely corrosion-resistant, scratch-resistant as well as water and dirt-repellent.

Internal tests

- Salt spray test
- Outdoor exposure test
- Cross-cut test
- Smooth operation and durability test

External tests

Salt spray tests have been carried out and successfully passed 1000 hours without red coloured rust at recognised and accredited testing institutes in accordance with EN ISO 9227, DIN 50021-SS and ASTM-B117-02.

Test report

The **MACO TRICOAT** fittings have been tested in accordance with grade 5 of the EN 1670 standard since the beginning of 2008 (= highest grade in this standard).

Test certificates and test reports are available from MACO.

**MACO
TRICOAT**



Can you distinguish yourself from the competition?



**Differentiate yourself
from all competition!**

- Increase the value of your window elements with **MACO TRICOAT** fittings to an even higher quality premium branded window
- The difference in your windows lies in the **MACO TRICOAT** fittings
- Exclusive **MACO TRICOAT** fittings
– only available from MACO:
available within the shortest possible time for all product groups and the entire fittings range
- Unique solution – distinguishing your windows both aesthetically and qualitatively from the competition

**MACO
TRICOAT**



Consistent everywhere where contaminant demands it!



MACO TRICOAT application areas

Basically everywhere where the corrosion resistance of electrogalvanised surface-finishes is no longer sufficient. The MACO TRICOAT fittings have been developed in particular for these application areas.

Possible application areas

- Coastal applications with high levels of saline air concentration
- Industrially congested areas
- Construction projects subjected to sustained chlorine vapours such as indoor swimming pools
- Construction projects subjected to strong ammonia vapours, such as stables
- Food processing companies, such as butcher's shops and cheese dairies
- Damp rooms, laundry rooms, cellars etc.
- Timber containing high levels of tannic acid, such as oak or timber containing acetic acid as is the case with Accoya timber etc.

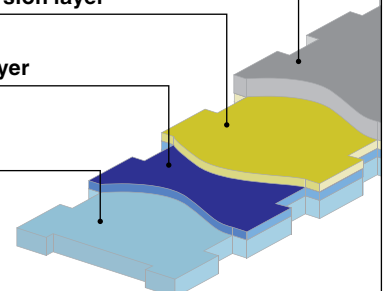


MKS micro corrosion protection system (zinc-aluminium flake coating)

Conversion layer

Zinc layer

Steel



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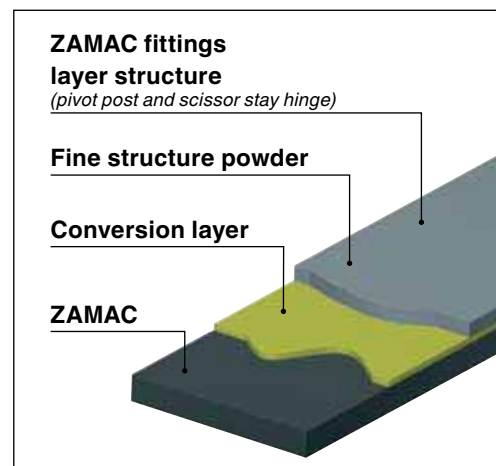
Superiority where it's needed!



The highest quality for visible fittings components!

Particularly visible components such as the pivot post and scissor stay hinge that are constantly exposed to severe conditions are powder-coated using a special process.

This pivot post and scissor stay hinge coating provides not only a high level of corrosion protection, but is also scratch-resistant as well as water and dirt-repellent.



**MACO
TRICOAT**



Colour and a long life!



In which colour are MACO TRICOAT fittings available?

TRICOAT is only available in one light shade of grey. This colour is an aesthetical upgrade for all window and door elements.

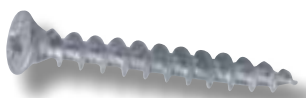
The special MACO TRICOAT screws provide quality!

The specially coated screws are part of the total MACO TRICOAT package. These screws prevent contact corrosion and consequently ensure the window's long life.

Screw range

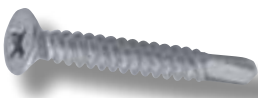
There are three screw sizes and two types in the product range:

For timber and PVC



4x22 mm
4x30 mm
4x40 mm

For PVC



3.9x25 mm
3.9x32 mm
3.9x38 mm



PLEASE NOTE!

Only the special MACO TRICOAT screws may be used.

Contact corrosion may develop when using other screws.

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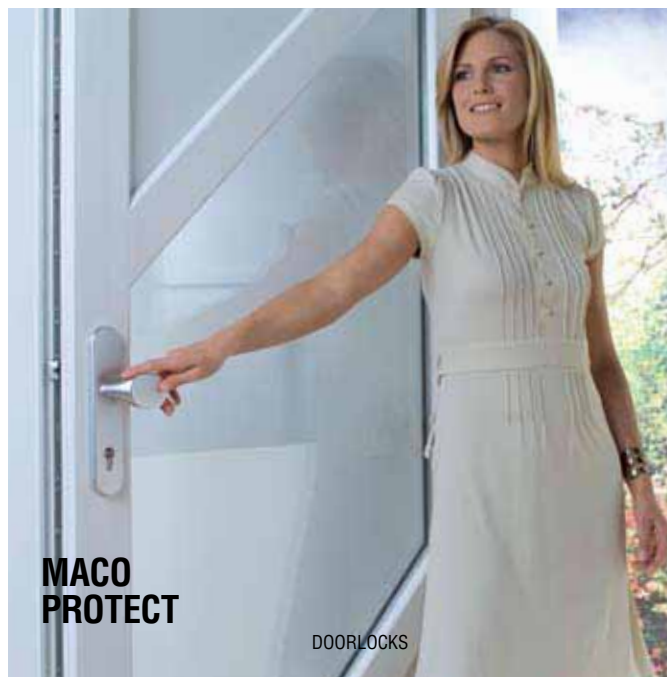


Product lines with MACO TRICOAT



**MACO
MULTI**

TILT&TURN FITTINGS



**MACO
PROTECT**

DOORLOCKS



**MACO
ESPAGS**

ESPAÑOLETES



**MACO
RAIL-SYSTEMS**

SLIDING FITTINGS

MAYER & CO BESCHLÄGE GMBH
ALPENSTRASSE 173
A-5020 SALZBURG
TEL +43 (0)662 6196-0
FAX +43 (0)662 6196-1449
maco@maco.at
www.maco.at

**MACO DOOR & WINDOW
HARDWARE(U.K.) LTD**
EUROLINK INDUSTRIAL CENTRE
CASTLE ROAD, SITTINGBOURNE
KENT ME10 3LY
TEL +44 (0)1795 43390 0
FAX +44 (0)1795 43390 1
enquiry@macouk.net
www.macouk.net