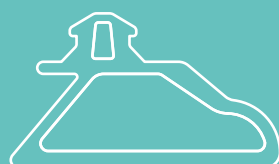




TECHNOLOGY IN MOTION

MACO ADAPTA

WEATHER SEALS



ASSEMBLY INSTRUCTIONS

for window and door seals

Use only for certified specialists!

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Important Information

Introduction

Read these instructions carefully before starting the assembly. Install all seals as described in these instructions and follow all safety instructions.

In the event of non-compliance with these instructions, no guarantee can be given for the proper functioning of the element or system. In the event of non-compliance, we assume no liability for damage to persons, material or property.

Target Group

This documentation is aimed exclusively at specialist companies and trained specialists.

The work-steps described herein may only be carried out by certified specialists.

Instructions for use

- › This print document is constantly being revised and is available for download in the current version at www.maco.eu. A QR code and the date of creation can be found on the back of this document.
- › All diagrams are only symbolic.
- › Unless otherwise indicated, measurements are made in millimetres.
- › Further technical documentation can be found on our website in the Partner Portal (MPP) at: www.maco.eu.
- › Printing errors, mistakes and changes are reserved.
- › Please send feedback or suggestions and ideas for improvements on our instructions by email to: feedback@maco.eu.
- › Protection notice restricting the use of documents according to ISO 16016.
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Material

- › The seals described in this manual are made of silicone (SC), EPDM (EE), TPE (TE, TC) and PVC (PC).
- › The paint compatibility of the different sealing materials with the different paints is listed in our online catalogue. If something is unclear, we recommend testing the compatibility on a sample over a longer period of time.
- › The UV resistance of the various sealing materials is listed in the current brochure.
- › The window and balcony door elements may only be surface treated (painting, varnishing, glazing, oiling, ...) before the seals are installed. Subsequent surface treatment can limit the functionality of the seals. In this case, any guarantee claims against the seal manufacturer do not apply.

Applicable documents

In addition to these instructions, the following documents must be observed and/or provide additional information:

- › Our General Terms and Conditions (T&Cs)
- › Our General Terms and Conditions of Purchase (PT&Cs)
- › Print Catalogue Chapter 1 - General Information
- › Brochure
- › Product data sheets (in the online catalogue)
- › Safety data sheets for the materials

All documents can be found in their current version on our website at: www.maco.eu

Certificates and performance statements

Certificates and performance statements can be found at: www.maco.eu

Document storage

Keep these assembly instructions for future reference.

Safety and warning notes

It is important to follow these instructions to ensure people's safety!

When reading this document and the safety instructions, please note the following signs and colours:



Failure to comply with such an instruction may result in fatal or serious injury.



Failure to comply with such an instruction may result in fatal or serious injury.



Failure to comply with such an instruction may result in minor injuries.



General note, which is important for an error-free function or assembly.



Specific note for a simple, error-free installation or problem-free assembly of a component.

Manufacturer's duty to provide information

Please be sure to note your **duty to inform the end user!**

The complete delivery of a window or balcony door element also includes the operating and maintenance instructions and, where necessary, a window sticker for deviating types of operation! We provide these for our customers in the download area of our website (www.maco.eu) available!

General Notes

Intended Use

MACO seals are designed for installation in fixed, perpendicular window and balcony door elements made of timber and timber-aluminium in houses and buildings.

Misuse

- › The installation of MACO seals in movable goods is not intended and prohibited!
- › The installation of MACO seals in machines and devices is not intended and prohibited!
- › The installation of MACO seals in vehicles is not intended and prohibited!



Note

If in doubt, consult your contact person at MACO!

General instructions for fabrication

- › If possible, insert seals into the sash or frame with a profile roller. Assemble the frame to avoid stretching during installation as much as possible. "Striping" the seal with your finger stretches it during assembly and later leads to leaks in corners and butt joints!
- › If the handle is too stiff after a seal has been replaced, this must be counteracted by adjusting the contact pressure.
- › Remove deposits and dirt from seals.



General Fabrication, Care and Maintenance Instructions

Installation

- › When installing, ensure a clean environment and avoid contact of the seal with dirty objects, hands or gloves.
- › To facilitate installation, talcum powder or potato starch can be used. Both can also be used to increase the sliding ability of seals exposed to high friction. This process is used as standard, especially for some of our silicone profiles.

Cleaning

- › The surface of the seal can be cleaned with a soft, damp cloth.
- › Do not use microfibre cloths!
- › Do not use cleaning agents or solvents!

Maintenance

- › MACO seals do not require any special maintenance.
- › The installation of a seal that is not suitable for the window system can severely impair the function and performance (tightness, ease of use, etc.).
- › Selection and/or replacement of the seal should therefore be carried out by qualified personnel.

Notes on removing the sealing coil from the box

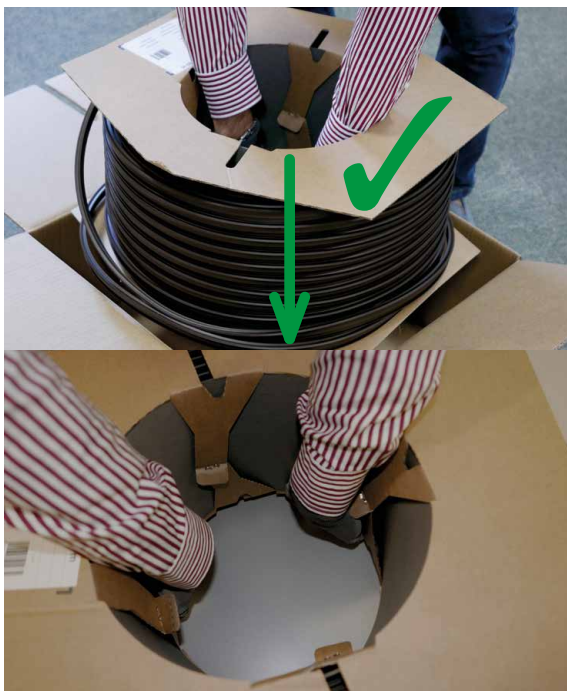
1.



2.



3.



Fabrication of the seal on the frame - butt joints



1. Plan for a slight excess length when cutting to length so that pressure is created at the sealing joint.



2. Pay attention to pressure on the seal joint during installation.

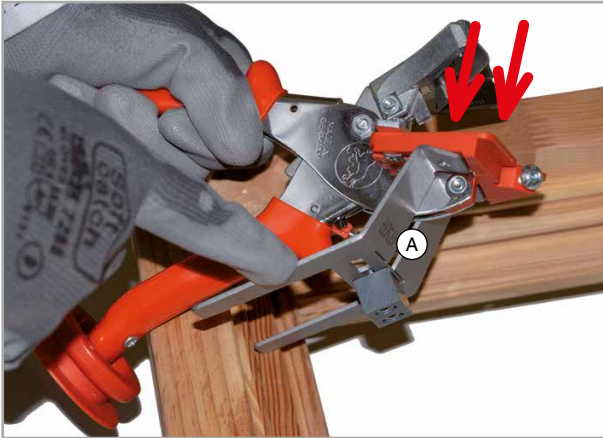


3. Finished sealing corners
(If the geometries are suitable, make sure there is an overlap.)

ATTENTION

When handling the mitre-joint clamp, there is a risk of cutting and squeezing one or multiple fingers!

Fabrication of the seal on the frame - Y-section



1. Screw accessories for frames (A) to mitre-joint clamp.



2. Adjust buffer stop (B) und knife position.



3. Put on mitre joint clamp, release the seal and remove cutting waste.



4. Insert the seal.

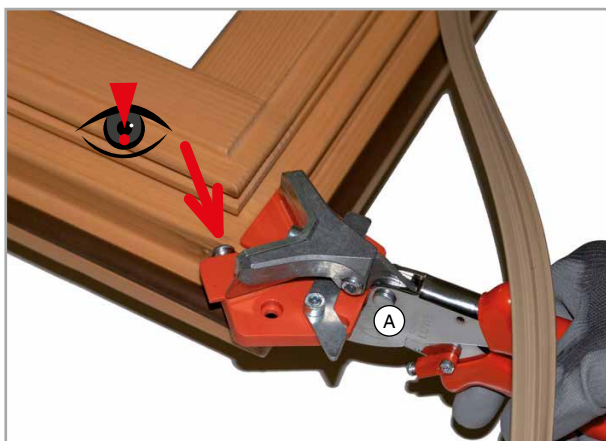


Finished sealing corners

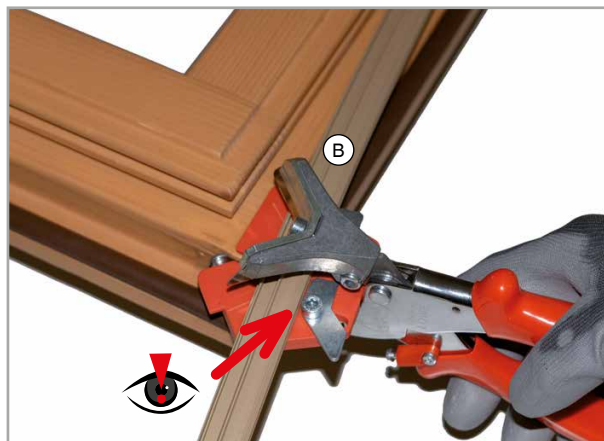
ATTENTION

When handling the mitre-joint clamp, there is a risk of cutting and squeezing one or multiple fingers!

Fabrication of the seal on the sash



1. Position the mitre joint clamp (A) on the sash corner.



2. Insert the seal (B) into mitre joint clamp and release it.



3. Remove cutting waste.



4. Insert seal.



Finished sealing corners

ATTENTION

When handling the mitre-joint clamp, there is a risk of cutting and squeezing one or multiple fingers!

Welded corners (TPE and PVC only)

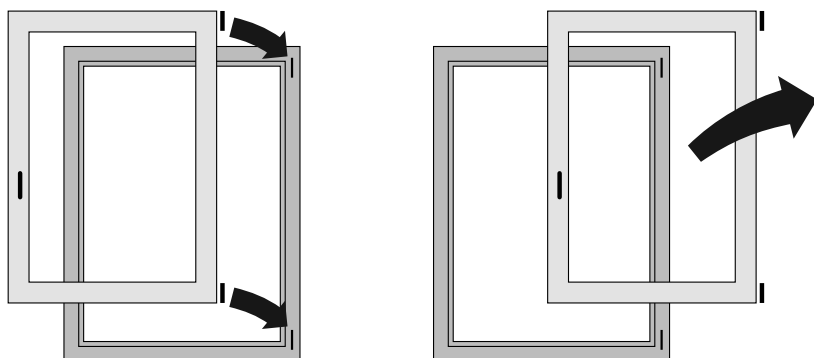


By means of suitable welding systems, fully or partially automated, precise frames with four perfectly welded angles can be made to measure.



Additional information

Hinging of the sash

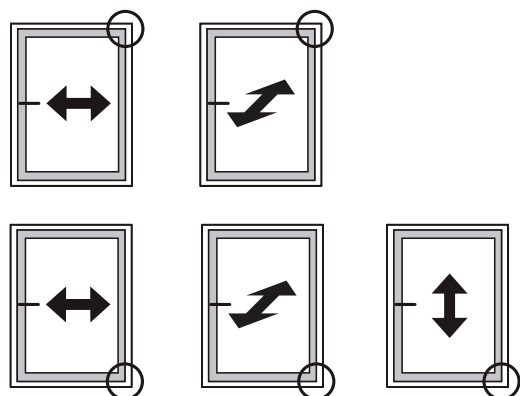


See the assembly instructions for the hinge side used.

 **DANGER**

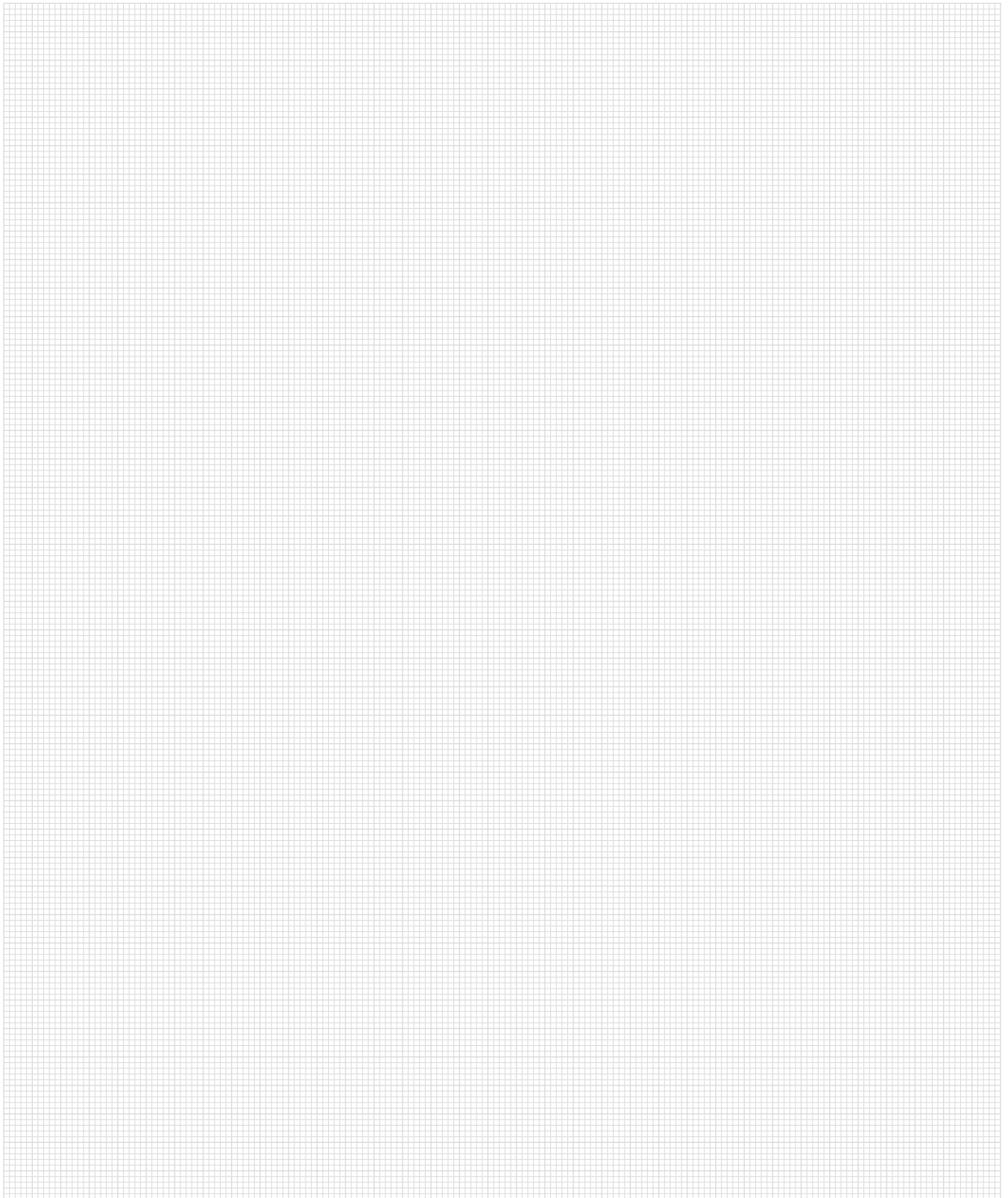
The installation and removal of window sashes as well as the adjustment of windows may only be carried out by qualified personnel!

Adjustment on the sash



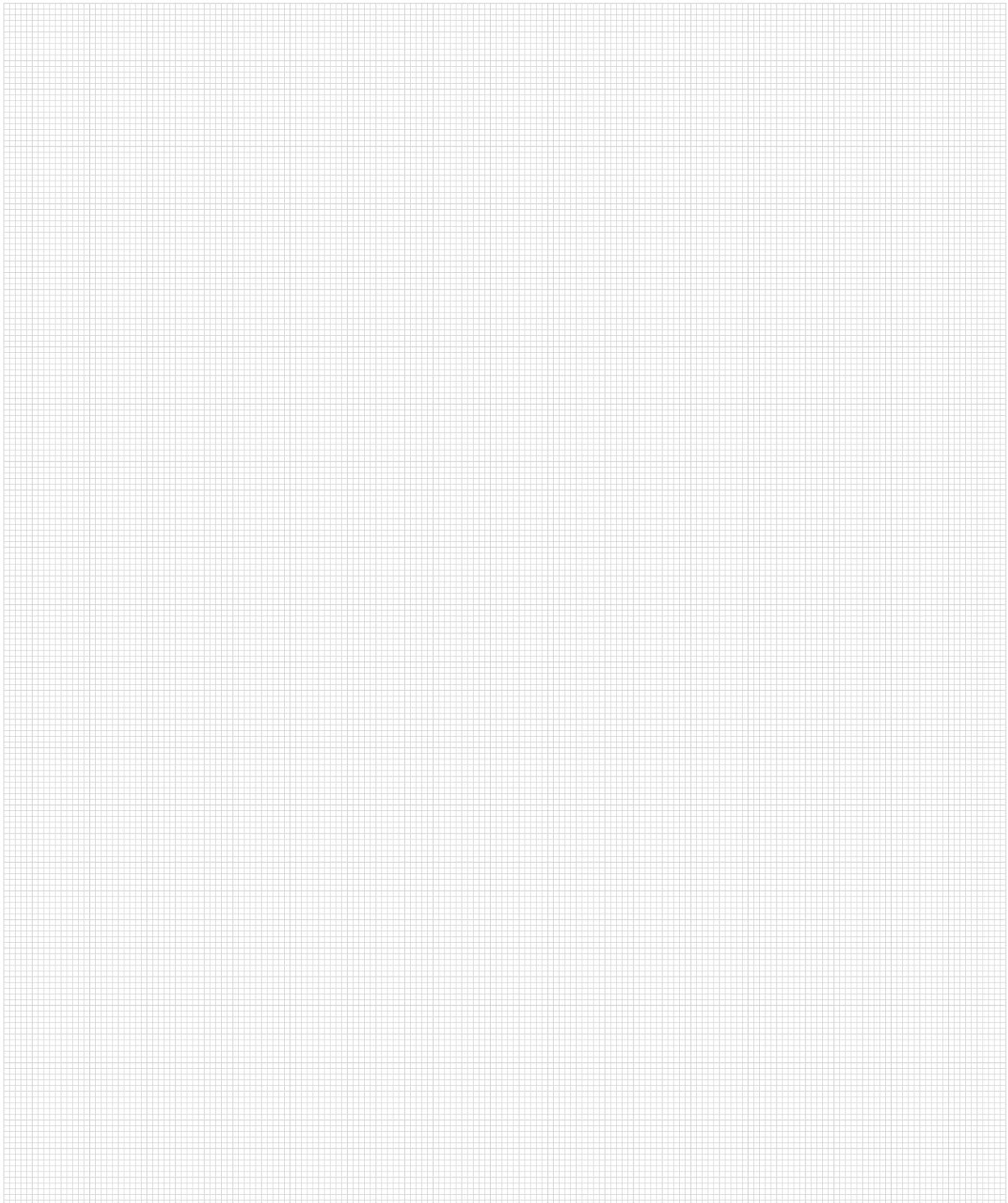
See maintenance and adjustment instructions for Order Number 757070.

Notes



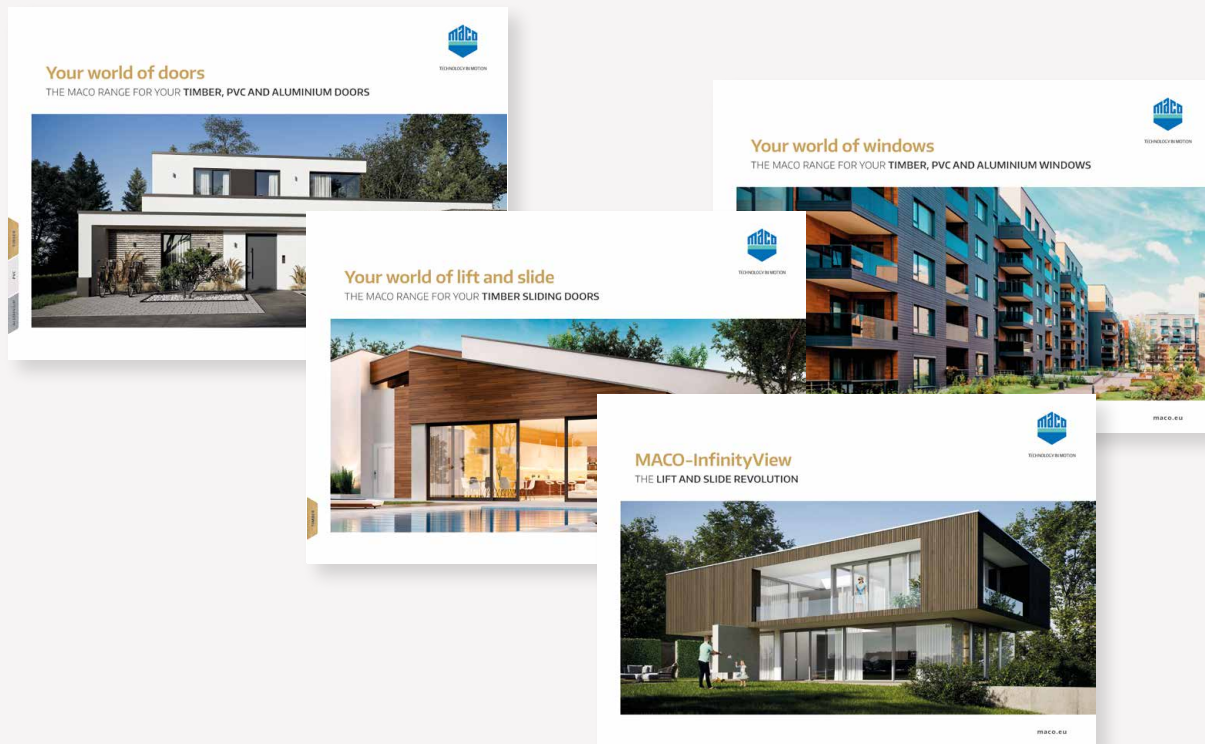


Notes



You want everything from a single source?

We provide you with complete solutions for sliding doors, windows and doors – for timber, PVC and aluminium. Experience our versatile system offer, comprehensive service included. Discover more of this on our website www.maco.eu or contact your MACO representative.



MACO near you:
www.maco.eu/contact



TECHNOLOGY IN MOTION



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The latest version is available on <https://www.maco.eu/assets/759905>
or by scanning the QR code.

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