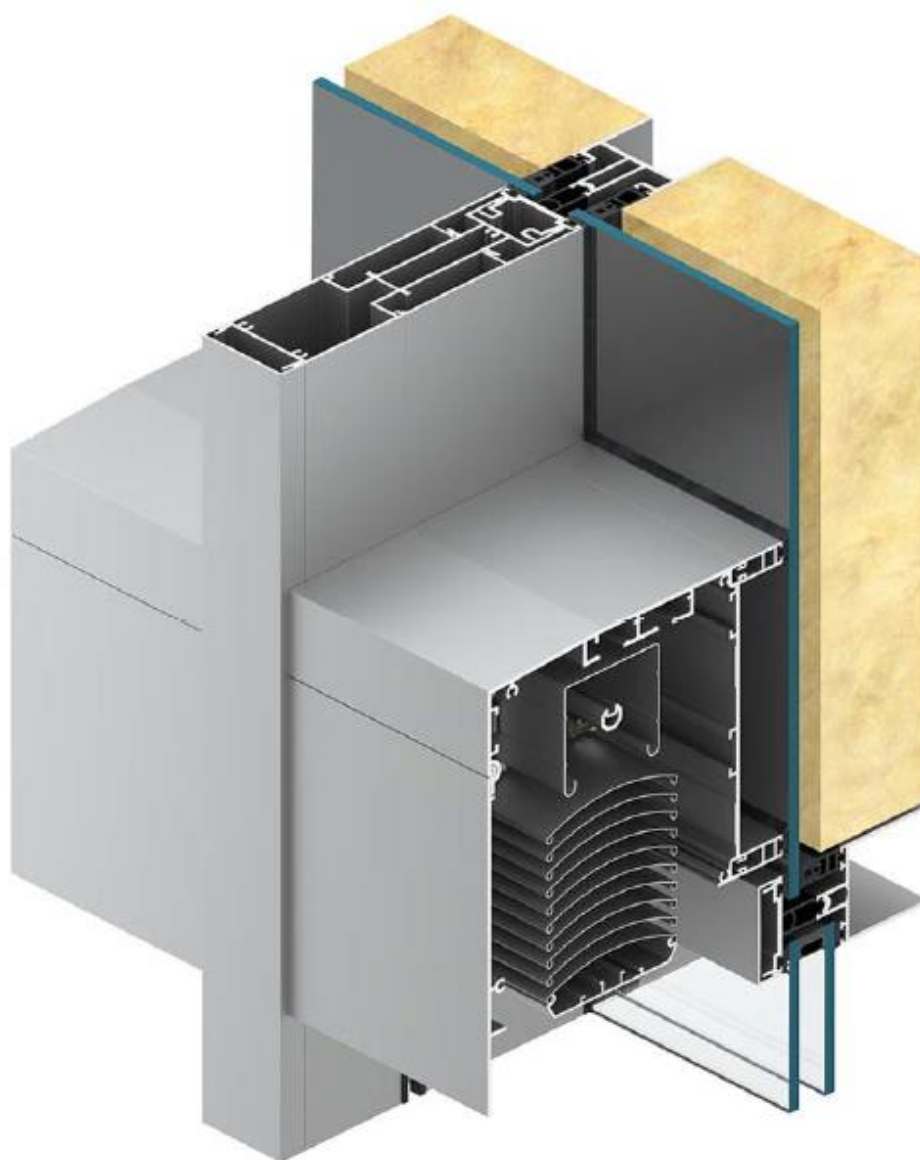


MB-SR50N ZS

Facade louvres



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Thank you for your interest in Aluprof S.A. products.

Welcome to the group of people who use BIM models in the Archicad program, created on the basis of real products of our company.

In this document, we present the possibilities of the **MB-SR50N ZS** facade blinds model, dedicated to **MB-SR50N** facades.

1. Facade louvres MB-SR50N ZS

The facade shutter object is created as an integral part of the **MB-SR50N** facade object. When using **MB-SR50N ZS** objects, it is possible to use mullions and transoms alongside with the facade module, as well as the standard **MB-SR50N**. However, we recommend using the facilities for the **MB-SR50N** system if there is no need to use facade blinds - facilities dedicated to **MB-SR50N** have additional types of masking strips not included in the **MB-SR50N ZS** facilities.

For **MB-SR50N ZS** system we have prepared the following types of objects:

- MB-SR50N ZS Mullion (słup),
- MB-SR50N ZS Transom (rygiel),
- MB-SR50N ZS Boundary Mullion (słup skrajny),
- MB-SR50N ZS Boundary Transom (rygiel skrajny),
- MB-SR50N ZS Corner Mullion (słup narożny),
- MB-SR50N ZS Louvre Panel (stały panel przezierny z żaluzjami),
- MB-SR50N ZS Fixed Panel (stały panel przezierny),
- MB-SR50N ZS Fixed Opaque Panel (stały panel nieprzezierny).

Correct use of the above objects requires configuration of the facade by manual changes to individual elements, or the use of various classes of objects for panels and frames. We recommend using the second option because it will allow you to automate the process and avoid the need to manually edit many objects.



2. Proposed configuration of the facade from the MB-SR50N ZS objects

Depending on the complexity of the facade, this solution can be modified. It is only a proposal to configure the listed objects.

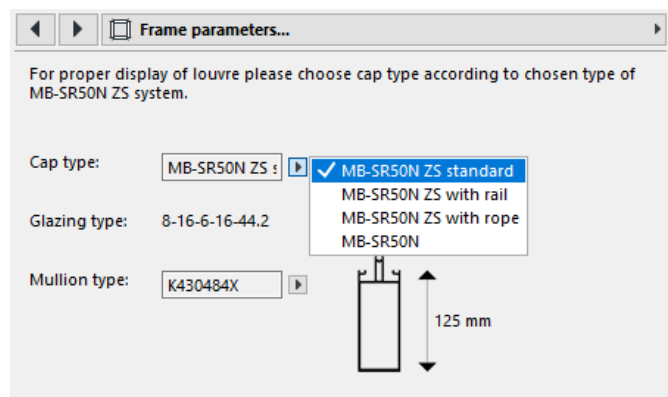
In window *Curtain Wall Settings > Frames* and *Curtain Wall Settings > Panels* following classes should be added.



Following classes were created:

Mullion Frame for louvres:

The MB-SR50N mullion with a special structure of the cover cap enabling the selection of one of the three variants of the MB-SR50N ZS system: standard, with rail or with rope.



Mullion Frame Standard:

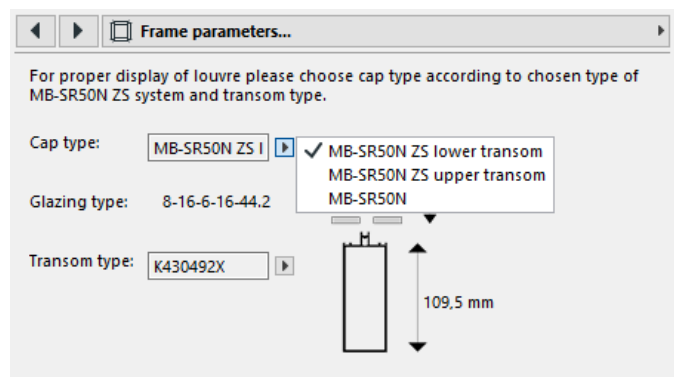
It is a mullion with a standard MB-SR50N cover cap that allows the use of louvres that continuously pass through 2 or more fields of the facade.

Boundary Frame:

Transom or boundary mullion - it is possible to create two classes, if the outer mullion is to be simultaneously a mullion with rail for the facade shutter. For this purpose, two types of Boundary Frame were created – Boundary Transom and Boundary Mullion.

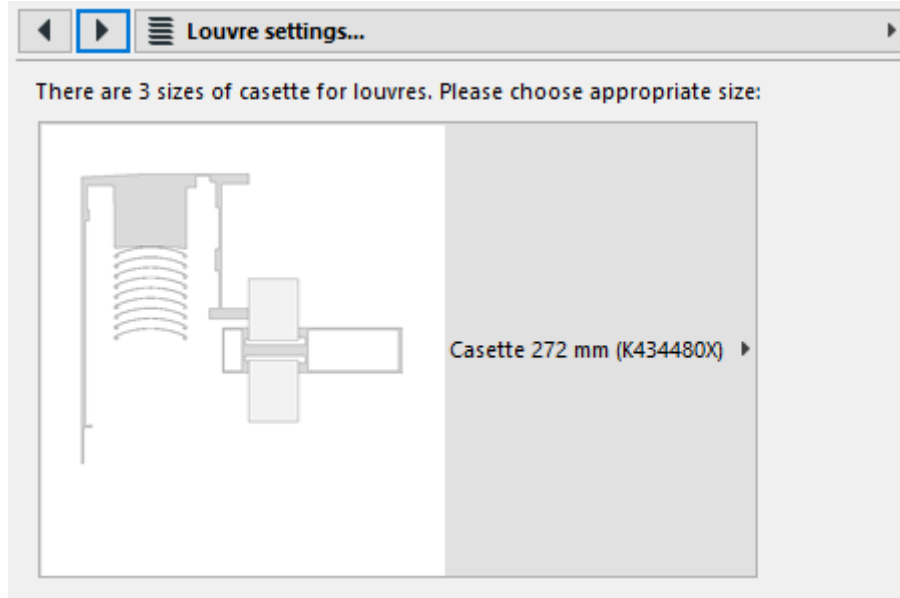
Transom Frame for louvres – Lower:

Transom with a sill for louvres (option without a sill also possible - see system catalog).



Transom Frame for louvres – Upper:

Transom with a cassette for louvres. It is possible to choose a cassette from 3 different sizes - it depends on the number of slats in the louvre, i.e. the height of the panel.



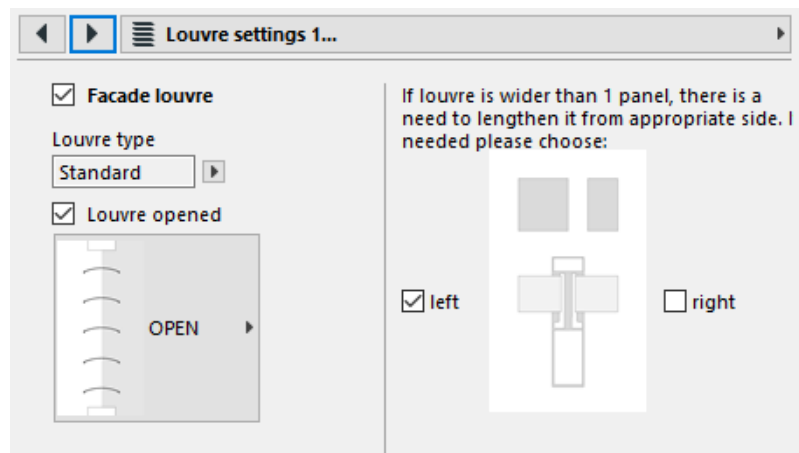
Distinct Panel:

Standard non-opaque panel.

Louvre Panel Left:

Panel with a louvre extended on the left to allow connection to the elongated louvre on the right (right louvre settings in Louvre Panel Right) The possibility of setting the extension on both sides, which would allow creating a continuous louvre for 3 or more panels (the maximum dimensions of the louvre are specified in the parameters of the object).

It is also possible to set the opening / closing of the louvre or its complete shutdown. For the parameters, it is important that the specified type of louver (Louvre type) is consistent with the selected type for the mullion.

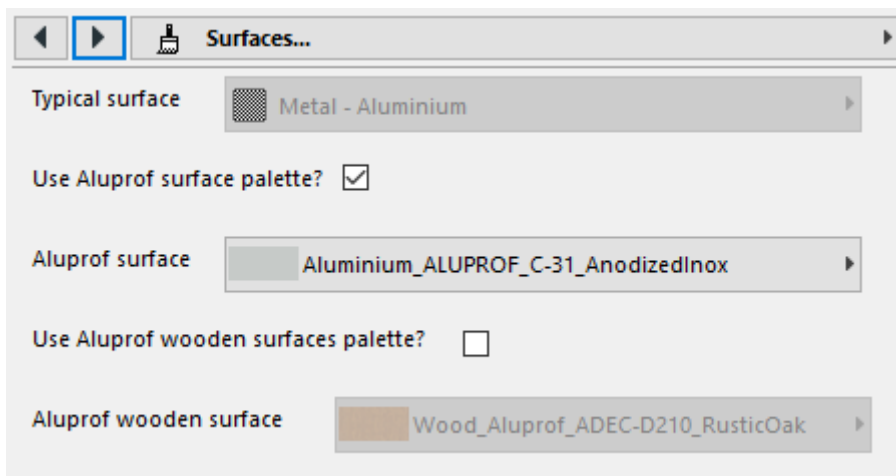


Louvre Panel Right:

Similar to Louvre Panel Left.

3. Surfaces

In every object there is a possibility to choose among different surface finishes. E.g. for mullions/transoms.



You can use the Archicad surfaces palette (Typical Surface), or the Aluprof surface standard surfaces palette (Aluprof Surface, after enabling the "Use Aluprof surface palette" option) and the Aluprof wooden surface palette, after enabling the "Use Aluprof wooden surface palette").

Without switching between specific options (or disabling both), it is not possible to use a different type of finish than currently available (not greyed out).

4. Final remark

Please configure the façade carefully - as the façade elements in Graphisoft's assumption do not collect information from adjacent elements, unfortunately there is a risk of creating an inconsistent façade. For example, the configuration of a mullion, which should also be a rail for the louvre, is on the user's side, as is the consistent color scheme. The use of the classes described above for the panels and the frame of the facade will help to maintain the correctness of the model.



We hope that this short tutorial will allow you to effectively use our BIM models in your projects.

If you have any further questions, please do not hesitate to contact us.

BIM Technology Section

Aluprof S.A.

