

PRODUCT GUIDES

Start with the performance requirement

A practical guide to selecting a glass family before confirming the tested system.

Requirement	What to establish
E - integrity	Resistance to the passage of flames and hot gases for the classified duration. An E requirement does not establish insulation performance.
EW - integrity + radiation	Integrity together with a limit on radiant heat transmission under the applicable classification.
EI - integrity + insulation	Integrity together with insulation performance, limiting temperature rise on the unexposed side.

Glass families are not interchangeable

Monolithic glass and glass incorporating a fire-resistant insulating interlayer can address different performance needs. Thickness alone cannot establish the classification of the finished assembly.

- KINGUARD EI/EW glazing: reference models are listed separately for interior and exterior use.
- KINGUARD vision panels: the website lists borosilicate E60 models as well as EW and EI configurations for evaluation within doorsets.
- FLAMGUARD vision panels: a separate range for evaluating available glazing depth and the required performance within the proposed door.

The group catalogue also describes chemically/physically treated monolithic glass and other laminated configurations. These must be identified by their own product and report references; they are not automatic substitutes for the website vision-panel models.

SELECTION WORKFLOW

From a requirement to a configuration

Use a defined application and traceable evidence to narrow the options.

- State the project country, applicable standard, required E/EW/EI classification and duration.
- Identify the application: door vision panel, partition, window, facade, skylight or other assembly.
- Provide glass dimensions, quantities, door or frame sections, glazing pocket depth, beads, seals and fixing details.
- Identify interior or exterior exposure and any acoustic, impact, optical or environmental requirements.
- Confirm the proposed model and complete system against the relevant report and permitted scope.
- Agree the supply scope: glass only, collaboration with your system, or a complete MINGAN assembly.

Documents to use together

The Product Range Overview provides current website reference models. The Glass Test & Technical Document Index helps identify relevant records. Request the report, classification and system details appropriate to your project before specification or installation.

A video is a useful introduction to a test, but does not replace its report. A fire rating achieved by one assembly cannot be transferred to another frame, size or glazing method without applicable supporting evidence.

Discuss your application

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Content basis: KINGUARD EI/EW and Vision Panels webpages; MINGAN Product Catalogue 2025, glass sections. This guide introduces selection considerations and does not add new certified dimensions or technical ratings.