

Nr. / No.

CERASHIELD AR-1504-004EN

This guideline is intended to provide general recommendations only.

CERAMAX provides these informations, guidelines and all testing and design data for informational purposes only. CERAMAX strongly advises that the customer, project owner and architect seek independent advice from a certified construction professional, engineer and structural engineer regarding application and installation as well as compliance with design requirements, applicable codes, laws and regulations and test standards.

Please check your local codes and applicable design requirements for proper use.

The following points must be observed, if a facade with CERASHIELD facade panels and / or a CERATEC system will be planned, calculated or mounted on a sub-construction:

- CERASHIELD panels may be used as a self supporting facade cladding, fixed on a sustainable sub-construction.
- CERASHIELD facade claddings should not carry structural function.
- Do not suspend heavy objects from CERASHIELD facade panels without an additional support construction that goes back through the panel to the construction behind. Hanging objects from CERASHIELD facade panels will change the way the panel moves and could impact the performance. This must always be avoided.
- Ensure the ventilated cavity is such that sufficient ventilation and drainage is ensured in order to prevent damage as a result of retained moisture.
- Ensure no special circumstances apply, in which case the CERASHIELD facade panel strength and rigidity (when combined with the sub-frame) should not be sufficient to stand with normal loads such as wind, dead weight and (or) impact, without being damaged.
- Please request the installers have to ensure strength, stiffness, stability, flatness and durability of the total load bearing construction before the installation of CERASHIELD panels is started.

CERASHIELD facade panels and CERATEC systems must be fastened according to the guidelines of CERAMAX and those of third party suppliers. They must be corrosion resistant fixed on a suitable sub-construction in such a way that the panels are not restrained and are able to move freely.

When determining the sub-frame the following should be considered:

- Static loads like wind loads etc.
- Unimpeded movement of CERASHIELD facade panels
- Energetic requirements (e.g. dimension of insulation)
- Required ventilation provisions
- Applicable building standards, regulations, certificates and CERAMAX technical installation details (e.g. panel dimensions, fixing distances, etc)
- Anchoring possibilities in the load bearing wall (construction)

Any modification to CERASHIELD panels or components thereof, its geometry or its specifications, and any use or installation of CERASHIELD panels or CERATEC support systems in combination with any material or component other as advised by CERAMAX, shall be exclusively at the risk of the parties involved in such modification, use or installation, and each of such parties assumes all such risks.

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