

Comparison Table (Installed Panel Assemblies)

GFRC vs UHPC vs Forton MG — Installed Façade Systems

<u>Criteria</u>	<u>GFRC (Panelized)</u>	<u>UHPC (Façade Panels)</u>	<u>Forton MG® (Cladding Panels)</u>
Primary Use	Non-structural cladding	Non-Structural if adapted for façades	Non-structural architectural cladding
Installed System Weight	Baseline (100%)	~50–120% of typical GFRC systems*	~25–35% of typical GFRC systems
Panel Skin Thickness	Moderate	Thin	Thin
Backup / Framing Requirements	Steel stud frame common	Rigid support and high-capacity anchorage	Minimal secondary framing
Anchor Size & Quantity	Moderate	Moderate to high	Low
Structural Demand on Building	Moderate	Moderate to high	Low
Installation Requirements	Technically intensive	Technically intensive	Simplified
Equipment & Handling	Cranes and rigging typical	Cranes and precision handling	Light equipment / manual assist
Repairability	Limited; replacement common	Very limited	Repairable in place
Embodied Carbon (Relative)	High	Very high	Significantly lower
Best Use Case	Conventional façade systems	Structural, impact-resistant, or extreme performance needs	Lightweight façades, rainscreens, decorative cladding

UHPC installed weight varies significantly by panel size, anchorage strategy, and performance criteria. In many façade applications, total installed weight is comparable to panelized GFRC systems.

Installed system weight reflects panel skin, backup framing, anchors, and typical façade support requirements. Actual weights vary by panel geometry, loading criteria, and project-specific detailing.