

PRECAST FAÇADES

TRC THIN CONCRETE PANNELS

50% Thickness Reduction



THE CHALLENGE

1960s façade structures face:

- Reinforcement corrosion
- Surface cracking
- Spalling
- Increased dead load
- Limited design flexibility

Traditional repair solution required:

- ≥ 120 mm steel - reinforced panels
- Heavy lifting requirements
- Risk of rust staining
- Higher material consumption

60 mm
OVERAL
THICKNESS

-50%

THICKNESS
VS TRADITIONAL METHOD

THE CARBON GRID SOLUTION

Replacement with 60mm carbon-reinforced precast panels

System Components:

- **HITEXBAU** 2x HTC 34/34-80 carbon grids
- Exposed aggregate surface finish
- Precast manufacturing
- Durable mineral matrix

STRUCTURAL CONCEPT



STEEL

- Corrosion risk in humid tunnels
- Heavy
- Thick application
- Higher lifecycle cost

IDEAL FOR

- Architectural façades
- Renovation projects
- Lightweight façade elements
- Thin-wall precast systems

Innovative Carbon Grid Reinforcement

THINNER. LIGHTER. LONGER-LASTING

