

News from Tata Steel

October 2016

Tata Steel's RoofDek profiles gain FM Approvals certification



A range of Tata Steel's RoofDek profiles have successfully achieved FM Approval and have been issued with a Certificate of Compliance to FM Approvals class 4451.

We are delighted that our RoofDek profiles, which includes D32s, D35, D46, D60, D100, D159 and D210, are the only UK manufactured profiles to have successfully achieved FM Approvals certification, they are available for use in FM approved roofing systems throughout Europe and are also suitable for use by any European roofing manufacturer in wind uplift tests when seeking assessment of their roofing systems to FM 4470.

FM Approval provides engineers, architects, building contractors and developers with the assurance that products have been objectively assessed, tested and conforms to the highest international standards. Choosing FM Approved RoofDek means you can be confident that your roof system will be structurally supported and will withstand a broad range of fire and environmental risks, and not simply form a collection of parts and components that may not perform as expected.

All roof systems recognised as FM Approved have been subject to stringent testing and evaluation, not only of the components used on the roof systems but also assessment of the manufacturing facilities and quality control procedures employed.

Structural roof decking is subjected to a wide range of hazards throughout the building's lifecycle, so confidence in these systems is key. Working closely with FM Global at its research campus, we secured certification of our Galvalite® hot dip zinc coated RoofDek products for the following stringent standard:

FM Approvals Class 4451: Steel Roof Deck

Performance requirements satisfied included:

- Allowable live load deflection.
- Combustibility from below the roof deck.
- Combination pull out/ pull over resistance of fasteners (testing).
- Pull over resistance of fasteners (calculation).
- Side lap fastener and side lap crimping and interlocking resistance.
- Fastener pull out resistance for above deck components.
- Steel deck bending stresses under service wind loads.
- Foot traffic resistance of insulation.
- Bearing capacity of insulation.
- Drivability evaluation of fasteners.

Only a phone call away

Tata Steel's team of technical experts are on hand to help with support and advice on FM Approval certification. For help with specification or to find out more:

T: +44(0) 1244 892199

E: technical.theworks@tatasteel.com

W: www.tatasteelconstruction.com or find out more [here](#).

FM Approvals on-line resource RoofNav

Guidance on the use of current FM approved products including RoofDek may be found at www.Roofnav.com

FM Global

FM Global states that *'products which are capable of meeting all of FM Approval's performance criteria are generally more highly engineered than those meeting only the minimum requirements'*.

By choosing FM Approved products you more than meet basic code requirements – you ensure that your building envelope will be safe throughout its lifecycle. Securing FM Approval for our RoofDek structural decking demonstrates our commitment to helping you meet stringent building standards.

We provide safe and robust products to the UK construction market, supported by our team of technical experts who can help take your project from concept to completion.

When the choice is clear for tested and certified products that are proven to perform and built to last, why take the risk?