ROOF SYSTEMS™

• COMMERCIAL & RESIDENTIAL
PAINTING
• BUILDING MAINTEN
• FLOOR DECKING • SANDBLA
• ALUMINIUM
WINDOWS AND DOORS
• INDUSTRIAL COATINGS
• FLUID APPLIED WATERPROOFING
• ROOF MATERIALS
• ASPHALT MEMBRANE WATERPROOFING
• LIFT RENTAL
• ROOF REPAIRS • ROOF CONSTRUCTION

Composite Floor Decking

MORE
than just roofing

A composite steel deck combines the tensile strength of steel with the compressive strength of concrete to improve design efficiency and reduce the material necessary to cover a given area. Moreover, composite steel decks supported by composite steel joists can span greater distances between supporting elements and have reduced live load defection in comparison to previous construction methods.

ADVANTAGES OF USING STEEL DECKING APPLICATION

- Speedy construction
- Savings in weight
- Easy installation compared to alternatives
- Less concrete usage
- Fire resistant

HEAD OFFICE:
Lot #62, Frederick Settlement Industrial Estate, Caroni.

FOR MORE INFO PLEASE CALL:
(868) 285-9164

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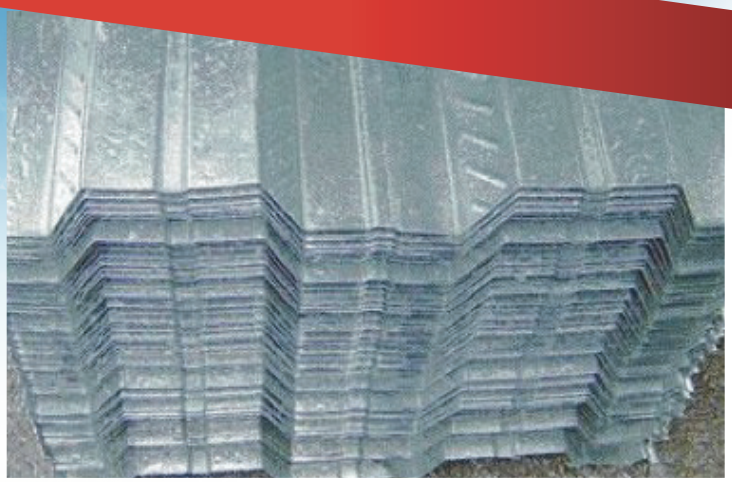
Composite Floor Decking



PRODUCT SPECIFICATIONS

Nominal Thickness of Material	Nominal WIdth	Nominal mass per unit Length	Largest Span without Support
mm 0.96	mm (inch) 625 24.6	kg/m 6.47	As per load table

Min. Yield Strength
MPa 255

Min. Tensile Strength
MPa 360

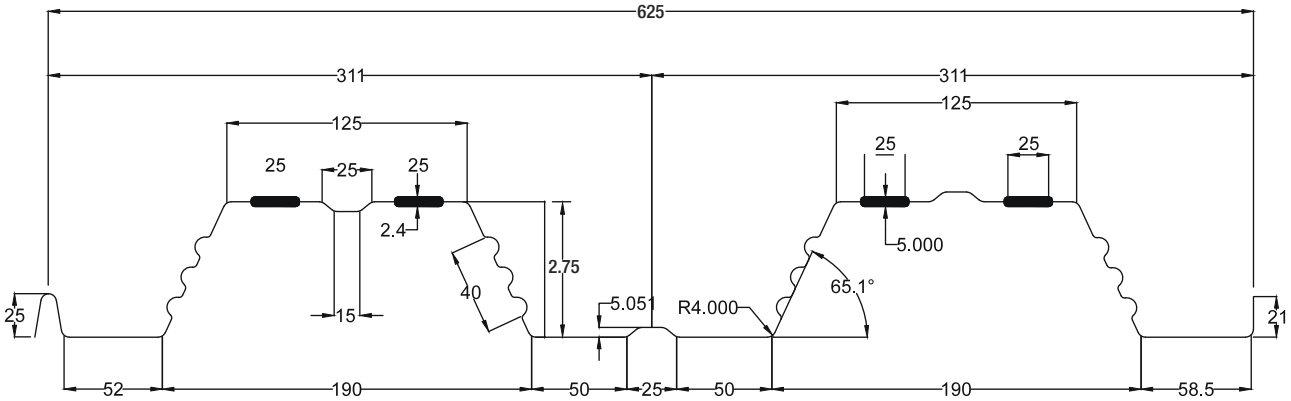
Min. Elongation in 50mm
% 18

Bend Test Ratio of inside diameter to thickness
2

LOAD TABLE (Kg/m²) calculated according to BS 5950: Part 4: 1994 nd Part 6: 1995 for uniform loading of single span: concrete cube strength 20 MPs: concrete density 2400 kg/m3(wet), 2350kg/m (dry); Steel yield strength 255 MPs; Construction Load (MPa) 4.5 span for <3m, 1.5 for apan 3m or more.

Span	Thickness of concrete above metal ribs				
m	50.8mm	(2")	63.5mm (2.5")	76.2mm (3")	88.9mm (3.5")
1.8	1321	(2877)*	1549 (3200)	1776 (3724)	2004 (4247)
2.0	1022	(2113)	1203(2532)	1383(2951)	1564(3369)
2.2	802	(1697)	948(2039)	1094(2380)	1239(2722)
2.4	636	(1382)	755(1665)	874(1948)	993(2231)
2.6	507	(1138)	605 (1375	703 (1612)	802 (1850)
2.8	405	(945)	487 (1146)	568 (1347)	650 (1548)
3.0	323	(790)	392 (962)	460 (1134)	528 (1305)
3.2	248	(656)	306 (803)	363 (951)	420 (1099)

Bold type by the blue area indicates excess sag when wet



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