

## REFERENCES

### MARCORE-S & MARCORE-SR

1. AISI STANDARD. NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.2001 EDITION.
2. AISI STANDARD. COMMENTARY ON NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.2001 EDITION.
3. AISI MANUAL. COLD-FORM STEEL DESIGN. 2002 EDITION.
4. STEEL CONSTRUCTION MANUAL, THIRTEENTH EDITION.
5. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318-05.
6. STEEL DECK INSTITUTE DESIGN MANUAL.
7. COMPOSITE DECK DESIGN HANDBOOK.
8. MARLYN STEEL DECK BROCHURE.
9. PROGRAM “CFS VERSION 5.0”

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1. AISI STANDARD. NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.2001 EDITION.
2. AISI STANDARD. COMMENTARY ON NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.2001 EDITION.
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4. STEEL CONSTRUCTION MANUAL, THIRTEENTH EDITION.
5. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318-05.
6. STEEL DECK INSTITUTE DESIGN MANUAL, (FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS) PUB. NO. 31
7. MARLYN STEEL DECK BROCHURE.
8. PROGRAM “CFS VERSION 5.0”
9. ROOF DECK CONSTRUCTION HANDBOOK (SDI PUB. 2000)

## Conversion Factors for Deck Products

### Conversion Factors for Deck Products

(For deck calculations three significant figures are sufficient. Do not use this table if more precision is required)

TO CONVERT	TO	MULTIPLY BY	NOTES
meters (m)	feet	3.28	
meters (m)	inches	39.4	
millimeters (mm)	inches	0.0394	
square meters (m <sup>2</sup> )	square feet	10.8	
square meters (m <sup>2</sup> )	squares	0.108	1 square = 100 feet <sup>2</sup>
square millimeters (mm <sup>2</sup> )	square inches	0.00155	
square millimeters per meter (mm <sup>2</sup> /m)	square inches per foot	0.000473	reinforcing steel area: concrete area available for shear.
millimeters <sup>4</sup> (mm <sup>4</sup> )	inches <sup>4</sup>	2.4 x 10 <sup>-6</sup>	moment of inertia.
millimeters <sup>4</sup> per meter (mm <sup>4</sup> /m)	inches <sup>4</sup> per foot	0.732 x 10 <sup>-6</sup>	deck moment of inertia per unit of width.
millimeters <sup>4</sup> per millimeter (mm <sup>4</sup> /mm)	inches <sup>4</sup> per foot	0.732 x 10 <sup>-3</sup>	
millimeters <sup>3</sup> (mm <sup>3</sup> )	inches <sup>3</sup>	61.0 x 10 <sup>-6</sup>	section modulus.
millimeters <sup>3</sup> per meter (mm <sup>3</sup> /m)	inches <sup>3</sup> per foot	18.6 x 10 <sup>-6</sup>	deck section modulus per unit of width.
millimeters <sup>3</sup> per millimeter (mm <sup>3</sup> /mm)	inches <sup>3</sup> per foot	18.6 x 10 <sup>-6</sup>	
millimeters (mm)	mils	39.4	1 mil = 0.001 inches, paint thickness
meters <sup>3</sup> (m <sup>3</sup> )	feet <sup>3</sup>	35.259	concrete volume.
meters <sup>3</sup> (m <sup>3</sup> )	yards <sup>3</sup>	1.307	concrete volume.
meters <sup>3</sup> per meters <sup>2</sup> (m <sup>3</sup> /m <sup>2</sup> )	feet <sup>3</sup> per feet <sup>2</sup>	3.28	concrete volume per unit area - slab volume.