

KNOWLEDGE SERIES MODULE 6: THE STEEL SUPPLY CHAIN

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Steel Structures – Beyond the Basics

COURSE OUTLINE

Lesson 1: Overview of the steel supply chain

- Summary
- Steel product channels based on output form:
 - Long products
 - Flat products

Lesson 2: The long products channel

- Hot-rolled structural steel
- Structural steel hollow sections
- Other long products (merchant bar, reinforcing bar, rod & wire, rail products)
- Long products distribution
- Steel distributors
- Steel processors
- Steelwork detailers
- Steelwork fabricators
- Corrosion protection
- Steelwork erection

Lesson 3: The flat products channel

- Introduction
- Plate products

Lesson 4: Light gauge steel manufacture and distribution

- Introduction
- Steel types
- Light gauge steel distribution
- Roll formers
- Sheet and coil material
- Compatibility

Lesson 5 – Roofing and guttering products

- Roofing basics
- Roof and gutter products
- Information provided by the manufacturer
- Roof engineering for cyclonic areas
- Guttering products

Lesson 6 – Structural products

- Purlins
- Structural decking

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