

Before You Start

This document contains the basic information to familiarize Builders and Installers with the various product components and their use. We recommend reading the entire guide before a project is started to understand the connection details to other building systems as well as the procedures for the Eskydeck form work installation. This guide has been divided into sections making it easy to reference specific details quickly. It is not intended to be a complete technical manual, it has been designed to aid Builders and Installers in understanding how to use the Eskydeck system safely and efficiently.

Guide Sections

Section 1: Product Components (descriptions and dimensions)
Section 2: Connection Details (attachment to other systems)
Section 3: Beam Installation Procedure (preparation and installation)
Section 4: Temporary Support (shoring with props and bearers)
Section 5: Panel Installation (working safely from the topside)
Section 6: Supplemental Form Work (openings and integral beams)
Section 7: Reinforcement Installation (quick efficient steel placement)
Section 8: Pre Pour Checklist (making sure everything is ready)
Section 9: Concrete Placement (safety and options)
Section 10: Post Pour Cleanup (before your are finished)

Additional Information

Eskydeck can be used with many building systems and various applications. Additional information and uses can be found at www.eskydeck.com.au or through an Eskydeck distributor. This quick start guide does not contain a complete list of product components and is specifically for the use of Eskydeck in residential and light commercial uses. Eskydeck is also used for earth sheltered and green roof applications. Site cast tilt up, structural tops for water tanks, and post tensioned long span applications are proven uses of Eskydeck.

Table of Contents

Section 1: Product Components

Beam Forms

100 Panel

140 Panel

190 Panel

240 Panel

Glue-In Block Out

SF 100 Panel

SF 140 Panel

SF 190 Panel

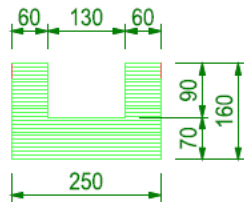
SF 240 Panel

Head & Base Form

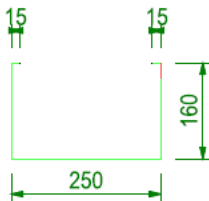
Tilt Up Head Form

Tilt Up Base Form

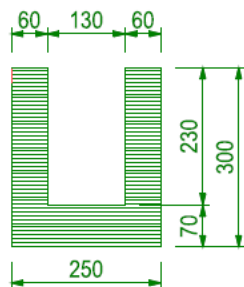
Beam Forms & Metal Jackets



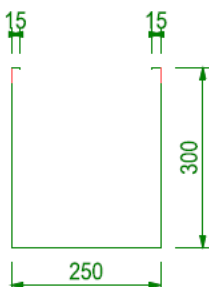
160 STANDARD BEAM FORM DIMENSIONS
(dimensions of EPS Form Liner may be slightly smaller than shown due to burn off when cut with hot wire cutting machine)



160 STANDARD BEAM JACKET DIMENSIONS
(metal jacket is fabricated to maintain internal dimensions allowing EPS Form Liner to slide into jacket easily)



300 DEEP BEAM FORM DIMENSIONS
(dimensions of EPS Form Liner may be slightly smaller than shown due to burn off when cut with hot wire cutting machine)

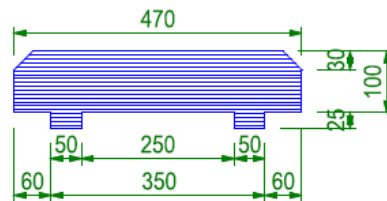


300 DEEP BEAM JACKET DIMENSIONS
(metal jacket is fabricated to maintain internal dimensions allowing EPS Form Liner to slide into jacket easily)

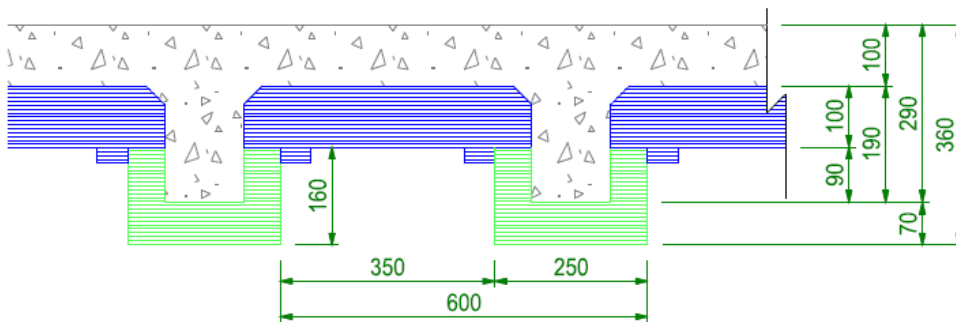
100 Panel Configurations

QUICK SPECS

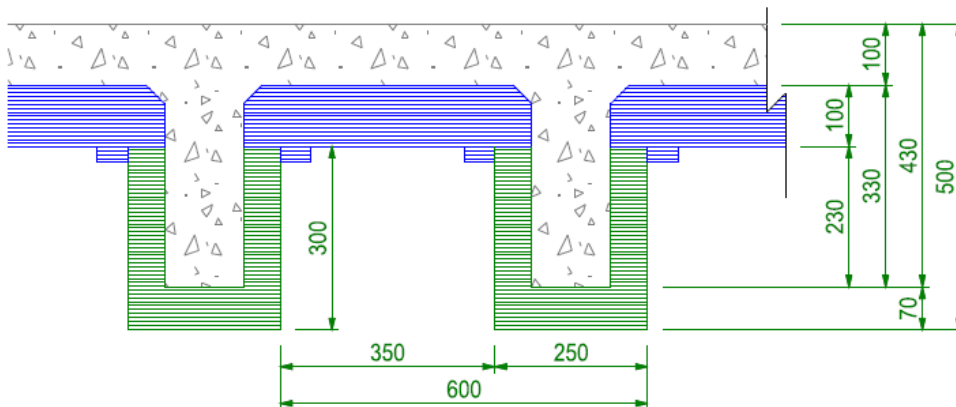
Average STD Beam R Value 3.593
Average DEEP Beam R Value 4.394
Empty Form Weight 9.33 kg/sqM /w STD Beam
Empty Form Weight 13.25 kg/sqM /w DEEP Beam
Concrete Weight 353.19 kg/sqM /w STD Beam
Concrete Weight 425.99 kg/sqM /w DEEP Beam
STD Beam 39.48 M/cubicM Concrete
DEEP Beam 22.97 M/cubicM Concrete
10 sqM of Slab /cubicM Concrete @ 100mm Thick
2.4M bearer spacing for props Mono Pour
4M bearer spacing for props Beams Only Pour



100 PANEL
DIMENSIONS



100 PANEL /w
160 STD BEAM

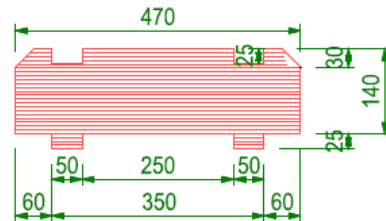


100 PANEL /w
300 DEEP BEAM

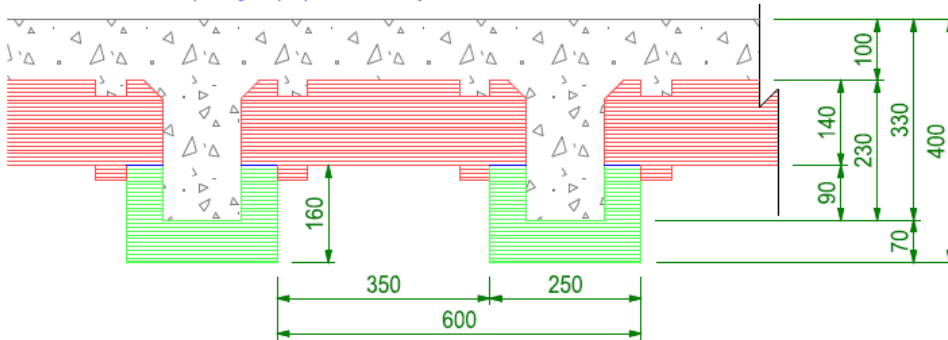
140 Panel Configurations

QUICK SPECS

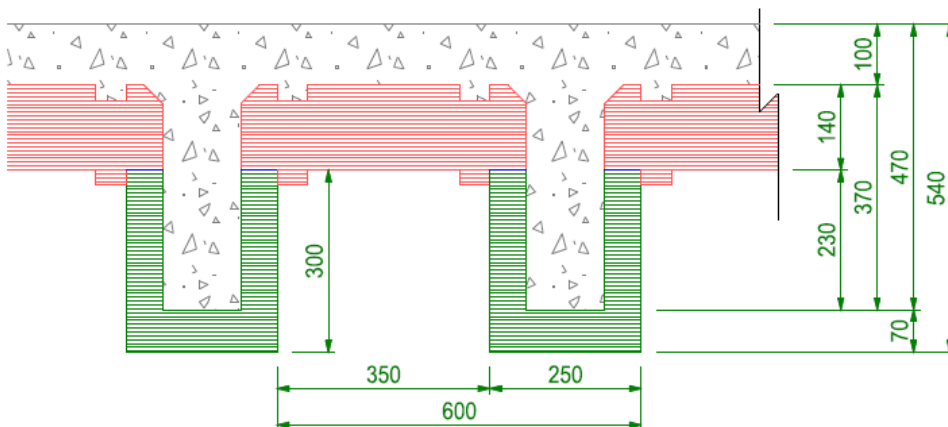
Average STD Beam R Value 4.475
 Average DEEP Beam R Value 5.276
 Empty Form Weight 10.02 kg/sqM /w STD Beam
 Empty Form Weight 13.94 kg/sqM /w DEEP Beam
 Concrete Weight 373.99 kg/sqM /w STD Beam
 Concrete Weight 446.79 kg/sqM /w DEEP Beam
 STD Beam 32.76 M/cubicM Concrete
 DEEP Beam 20.52 M/cubicM Concrete
 10 sqM of Slab /cubicM Concrete @ 100mm Thick
 2.4M bearer spacing for props Mono Pour
 4M bearer spacing for props Beams Only Pour



140 PANEL
 DIMENSIONS



140 PANEL /w
 160 STD BEAM



140 PANEL /w
 300 DEEP BEAM