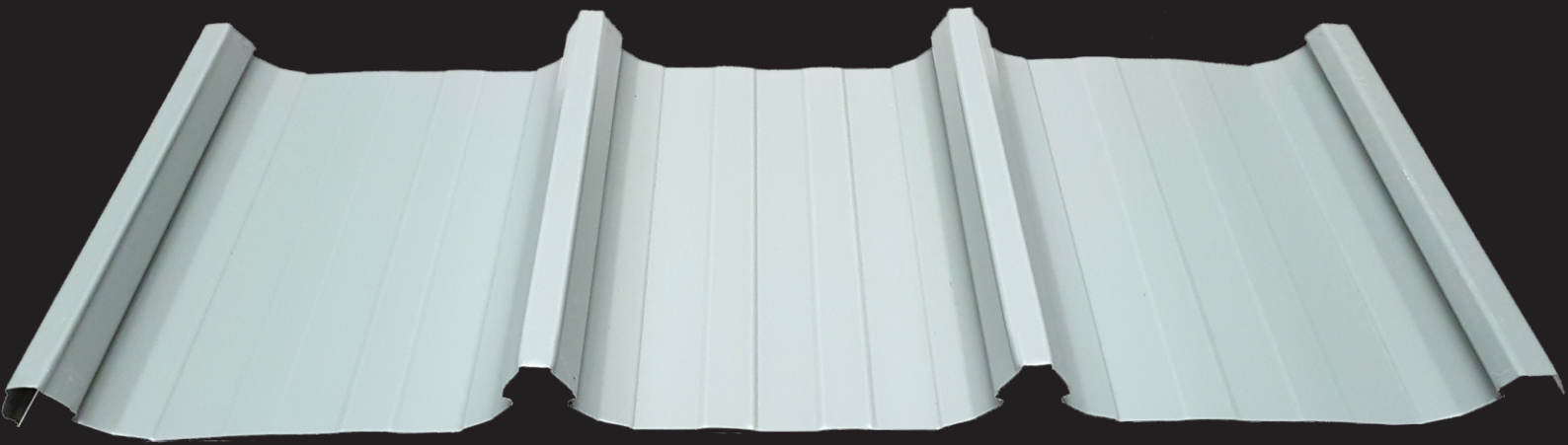




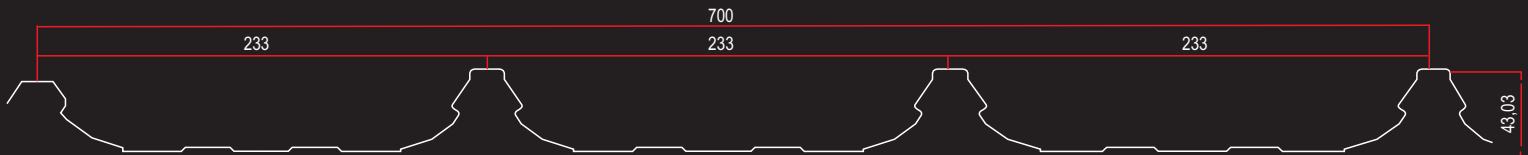
# DIAMONDEK

SPRINGLOK  
**700**

THE PREMIUM CONCEALED-FIX ROOFING SYSTEM



DIAMONDEK 700 is available in Clean Colorbond™ MATT  
Colour depicted above is Hidden AZ150/Alley Matt AZ200



# INTRODUCTION

Diamondek Springlok 700 is manufactured and distributed by Youngman Roofing, who offer specialized advice, free estimates and a friendly and efficient service, ensuring that each client receives the best solution for his application.

The sleek, new Diamondek Springlok 700 was designed to be unique in appearance and include excellent resistance to wind uplift. This is the newest addition to the very successful and well known Diamondek range of concealed- fix profiles.

The profile is perfectly suited for both industrial and commercial applications and can also be easily specified and installed on residential dwellings, schools, etc. The profile can also be used in cladding applications. (In prior consultation with a Youngman representative, it can be arranged to be roll formed to length on-site where long, full length sheets are required.)

Diamondek Springlok 700 is manufactured by cold rolling G550 material using a mobile mill and is available in Zinalume<sup>®</sup>; Colorbond<sup>™</sup>; Zinal<sup>®</sup> and Colorplus<sup>®</sup> using appropriate thicknesses and spelters depending on the application and location.

Diamondek Springlok 700 is also available in BlueScope's hugely popular Colorbond<sup>™</sup> MATT range.

## Clipping System

The Diamondek Springlok 700's unique clip utilizes high-strength, spring-steel flanges on top of the A-frame pillars that in turn, are mounted onto the clip baseplate.

These flanges interlock with the Diamondek Springlok 700 profile's pronounced S-bends, to ensure an extremely secure and dynamic clipping action while the spring steel allows for a degree of upward lift during wind gust periods. (Under these circumstances the spring steel flanges will flex upwards and outwards to clasp the sheeting even more securely). The clip has been designed and tested to be a dynamic component and is thus spring-loaded (not rigid); this design results in providing supreme wind-uplift performance.

Note: the base-plate has five pre-punched holes; it is critical that all five receive a fastener.

We recommend that a minimum Class 3 fastener be utilized to secure the clips to the purlin/ cladding rails (Class 4 fasteners should be used in an corrosive environment).

MAXIMUM RECOMMENDED PURLIN SPACING (metres)			
THICKNESS (TCT - Total Coated Thickness)	0.47mm	0.50mm	0.53mm
GRADE (Yield Strength)	G 550	G 550	G 550
<b>ROOF</b>			
Single Span	1,30	1,40	1,50
Internal Span	1,80	2,00	2,10
End Span	1,60	1,70	1,80
Cantilever (add 0.22m if stiffened)	0,15	0,18	0,18
<b>WALLS/ CLADDING</b>			
Single Span	2,00	2,10	2,20
Internal Span	2,40	2,50	2,60
End Span	2,20	2,30	2,40
<b>Ultimate Uplift Loading Capacity (in kPa)*</b>	<b>1,74*</b>	<b>2,41</b>	<b>3,07*</b>

*\*Independently tested by Dr. Adam Goliger in terms of the stipulations of the newly proposed SANS 10237-2014. Compliant with Eurocode: EN 1993-1-3:2006 (cold formed thin gauge sheeting and members)*