

LYSAGHT® METAL ROOF AND WALL PROFILES REVIT FAMILY USER GUIDE

MODEL DESCRIPTION AND PROPERTIES

amily:	Klip-Lok 406		~	Load	
Type:	0.48mm_BMT		~	Duplicate	
			[Rename	
ype Paramet	Parameter		/alue	=	
Constraints		1		*	i
Default Eleva	ation	0.0			
Dimensions				\$	
Effective Wi	dth (mm)	406.0	0		
Depth of Rib	(mm)	41.0	ğ		
Actual Widt	h (mm)	434.0			
Identity Data				×	
Data				*	
Total Coated	Thickness (mm)	0.54	4		
Tolerances (Width)	+4mm, -4mm -			
Tolerances (Length)	+0mm, -15mm -	6		
Tapered Ava	ilability	No			
Steel Grade	(N/mm²)	G550	6		
Sprung Curv	re (mm)	-			
Pre-Curve (r	nm)	-			
Min. Roof Pi	tch (without end lap)	2° –	6		
Min. Roof Pi	tch (with end lap)	3° -			
Colour			_		
Base Metal 1	īhickness (mm)	0.48	8		
Other				×	1

amily:	STC 51_Klip-Lok 406_Span	Load		
Type:	STC 51_Klip-Lok 406	~	Duplicate	
woo Paramet	bare	[Rename	
yperatamen	Parameter	Value	=	
Constraints	1	1	*	
Default Elev	ation	0.0		
Graphics			*	
STC 51_Klip	-Lok 406		-	
Cement Bo	ard/Plywood	n/a		
Substrate 1		n/a		
Substrate 2		Spandek (BMT 0.42mm)	2	
Aluminium	Foil	Double Sided		
Wire Mesh		Ausmesh		
Materials a	nd Finishes		*	
Finish		Colorbond® Titan Blue ULTRA		
Dimension	5	Contraction of the second	*	
Effective Wi	idth (mm)	406.0	4	
Depth of Rib (mm)		41.0	5	
Identity Da	ta		*	
Data			*	
Tapered Av	ailability	No		
Steel Grade (N/mm ²)		G550	6	
Pre-Curve (mm)		No		
Min. Roof Pitch (without end lap)		2°		
Min. Roof P	itch (with end lap)	3°		
Other			×	

METAL CLADDING

1. Profile name.

- 2. Effective cover width of LYSAGHT $^{\ensuremath{\mathbb{B}}}$ metal roof and wall profile.
- 3. Rib height of LYSAGHT® metal roof and wall profile.
- 4. Total Coated Thickness (TCT).
- 5. Maximum and minimum tolerance of profile.
- 6. Minimum yield strength of base steel.
- 7. Minimum slope requirement for LYSAGHT[®] metal roof and wall profile.
- 8. Base Metal Thickness (BMT).

ROOF SYSTEM

- 1. Type of insulated roof system.
- 2. LYSAGHT[®] metal roof and wall system built up.
- 3. Colors of COLORBOND[®] steel.
- 4. Effective cover width of LYSAGHT $^{\ensuremath{\circledast}}$ metal roof and wall profile.
- 5. Rib height of LYSAGHT[®] metal roof and wall profile.
- 6. Minimum yield strength of base steel.
- 7. Minimum slope requirement for $\ensuremath{\mathsf{LYSAGHT}}\xspace^{\ensuremath{\mathsf{B}}\xspace}$ metal roof and wall profile.

HOW TO USE: STEP BY STEP GUIDE

STEP 1

Open the target Revit project (that is, the project in which you want to insert the BIM object), select **Insert** tab and click on **Load Family**.

File	Archite	cture	Struct	ure Ste	el Sys	tems	Insert	otate /	Analyze	Massin	ig & Site	Collabora	te Vi	iew Ma	inage	Add-Ins
G Modify	Link Revit	kink IFC	CAD Link CAD	DWF Markup	Decal	Point Cloud	Coordination Model	Manage Links	Import CAD	Import gbXML	Insert from File	Image N	anage mages	Load Family	Load as Group	
Select 🔻					Link						Import		ы	Load fro	m Librar	y :

STEP 2

Navigate to your BIM Object file folder, select one or multiple and open.

Look in:	BIM Object (Combo)_BLS		~	4	×	87	Views	
en ^	Name	Date modified	Туре	Preview				
	NON STC_Klip-Lok 406 profile	9/25/2020 1:33 PM	Autodesk					
	NON STC_Spandek profile	9/25/2020 1:36 PM	Autodesk					
Math I	NON STC_Trimdek profile	9/25/2020 1:35 PM	Autodesk					
	STC 41_LS & SS_Spandek	9/25/2020 1:20 PM	Autodesk					
	STC 45_Locked Seam_Spandek	9/25/2020 1:37 PM	Autodesk					
	STC 45_Select Seam I_Spandek	9/25/2020 1:37 PM	Autodesk					
_	STC 45_Select Seam II_Spandek	9/25/2020 1:38 PM	Autodesk					
	STC 51_Klip-Lok 406_Spandek	9/25/2020 1:39 PM	Autodesk					
composed	STC 51_Locked Seam_Spandek	9/25/2020 1:39 PM	Autodesk					
	STC 51_Select Seam I_Spandek	9/25/2020 1:26 PM	Autodesk					
	STC 51_Select Seam II_Spandek	9/25/2020 1:26 PM	Autodesk					
100 C								
avorites								
	<		>					
	File name:		~					
esktop	Files of type: All Supported Files (*,rfa, *,ad		~					
	and a start of the							

STEP 3

Select the **Architecture** tab and click on **Component** and you shall see the selected BIM object is loaded into the current project and ready to be applied.

File Architecture Cture Steel Systems Insert Annotate Analyze Massing & Site Colla Modify Wall Door Window Component Column Roof Ceiling Floor Curtain Curtain Mullion Select v Build Build </th <th>File Architecture Structure Steel Systems Insert Annotate Modify Image: Select v Properties Cipboard Geometry Image: Select v I</th>	File Architecture Structure Steel Systems Insert Annotate Modify Image: Select v Properties Cipboard Geometry Image: Select v I
	Properties X 🔂 (3D) 🔂 (3
	STC 51_Locked Seam_Spandek STC 51_Locked Seam Top Skin
	Structural Stiffeners (1) 🗸 🛱 Edit Type
	Constraints * •
	Schedule Level 1
	Elevation from L 0.0
	Host Level : Level 1
	Graphics
	Bitumen Felt (1.5 1.0 into the project
	Insulation thk. (50.0
	Insulation Densit 80.0
	Dimensions 🎗
	Length (mm) 2000.0
	Actual Width (m 935.0
	Identity Data 🌣
	Image
	Comments
	Mark
	Phasing *
	Phase Created Phase 1
	Phase Demolished None
	Data
	Base Metal Thick 0.6
To add more PIM object to your Dovit project, repeat stop 1.2	Total Coated Thi 0.6

To add more BIM object to your Revit project, repeat step 1-3.

STEP 4 How to edit LYSAGHT[®] BIM Object's parameter?

4.1. To switch profile, go to **Properties**, click on the drop-down arrow and select the desired profile.



- 4.3. To change the profile's color:
- 4.3.1. On the Properties palette, click Edit Type

Properties				X
STC 5 STC 5	1_Locked Sea 1_Locked Sea	am_Span am Top S	del kin	¢.
Structural Stiffener	s (1) v	🔠 Edit	Тур	be
Constraints			*	^
Schedule Level	Level 1			
Elevation from L	0.0			
Host	Level : Leve	1		
Graphics			\$	
Bitumen Felt (1.5	. 1.0			
Insulation thk. (50.0			
Insulation Densit	80.0			
Dimensions			\$	

4.2. To edit profile's dimension, go to **Dimension**. In the edit box, type a new value for the dimension.



4.3.2. Select Materials and Finishes

amily:	STC 51_Locked Seam_Spa	Load		
ype:	STC 51_Locked Seam Top	Skin ~	Duplicate	
ang se	728		Rename	
ype Parar	Parameter	Value	=	^
Constrai	nts		*	
Default E	levation	0.0		
Graphics			*	
STC 51 L	ocked Seam Top Skin			
Cement I	Board/Plywood	n/a		
Substrate	:1	n/a		
Substrate 2		Spandek (BMT 0.42mm)		
Aluminium Foil		Double Sided		
Wire Mesh		Ausmesh		
Material	s and Finishes		۵,	
Finish		Colorbond® Titan Blue ULTRA		
Dimensio	ons		*	
Effective Width (mm)		515.0		
Depth of Rib (mm)		32.0		
Identity	Data		¥	
Data			*	
Tapered A	Availability	Yes		
Steel Gra	de (N/mm²)	G300		
Pre-Curve (mm)		Yes		
Min. Roof Pitch (without end lap)		3°		
Min. Roo	f Pitch (with end lap)	5°		
Other			*	
/hat do th	ese properties do?	1000		Ť

4.3.3. Select and change the color of the profile as needed.

Project Materials: All 🔭	▼ Shading	
Name	✓ Use Render Appearance	
Cherry	Color RGB 99 82 72	
	Transparency 0	1
Colorbond® African Charcoal ULTRA	▼ Surface Pattern	
Colorbond® Amazing White ULTRA	▼ Foreground	
	Pattern <solid fill=""></solid>	
Colorbond® Breathless Beige ULTRA	Color RGB 59 98 112	
Colorbond® Constant Blue ULTRA	Alignment Texture Alignment	
	▼ Background	
Colorbond® Enduring White ULTRA	Pattern <none></none>	
Colorbond® Eternal Red ULTRA	Color RGB 0 0 0	ĺ.
	▼ Cut Pattern	
Colorbond® Ever Green ULTRA	▼ Foreground	
Colorbond® Forever Beige ULTRA	Pattern <none></none>	
laterial Libraries	Color RGB 120 120 120	
ñ • @ • 🗏	▼ Background	





Email

PEN. MALAYSIA	+603-5520-6600
SARAWAK	+6082-333-621
SABAH	+6088-445-161
BRUNEI	+673-244-7155
Email	lysaght.malaysia@bluescope.com
Download Link	LYSAGHT [®] BIM OBJECT
SINCADODE	+65 6064 1577



+65-6264-1577 SINGAPORE lysaght.singapore@bluescope.com Download Link LYSAGHT[®] BIM OBJECT

www.lysaghtasean.com

Copyright © 2020 by BlueScope Steel Limited. All rights reserved. No part of this document shall be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without written permission from BlueScope Steel Limited. LYSAGHT®, COLORBOND®, LOCKED SEAM® and KLIP-LOK® are registered trademarks of BlueScope Steel Limited. BlueScope is a trademark of BlueScope Steel Limited.

For the avoidance of doubt, while the COLORBOND® steel colours contained in this User Guide have been reproduced to represent actual product colours as accurately as possible, we recommend checking your chosen colour against an actual sample of the product before purchasing, as limitations of web palette colours affect colour tones. In addition, while profiled textures have been created to represent light and shade on the selected profile¹s colour, the profiled colour textures are strictly a guide only and may not be an exact replica of the way textures appear in real life. Please contact Lysaght Representative for assistance in obtaining colour samples. Product profile samples may be available by contacting the supplier directly. The information herein is used by you at your own risk. To the maximum extent permitted by law, BlueScope Steel Limited accepts no liability whatsoever for the use of or reliance on texture images or any other content featured herein in any way.