

Product Assessment Screening System

Full Assessment for GreenSpec PASS +

Manufacturer: (Name)	Lindab Profil AB
Supplier: (Name)	Many suppliers across UK
Website:	Website > Building Products > Lindab Rainline
Product Reference:	Lindab Rainline
Description of product/system:	Rainwater goods: Gutters, Downpipes and accessories
Application: (promoted by manufacturer):	Perimeter of pitched and flat roofs
Is it competent in this application?	Other National Certification
Claims made appear in:	Certificate SP SITAC Swedish Technical Approval 0974/75 01/09/2011
Literature	Product Promotional Literature
Advertising	None
Website:	www.lindab.com
Review based upon:	
Webpage URL/PDF URL:	http://www.lindab.com/global/pro/Pages/default.aspx?redirectToMarket=true&i=3578#drilldown_guid:c8be21d0-2c31-49cf-9354-7ea0490a0d3b;level:all;sub:3 > Relevant Documents
Document name/File name(s):	http://www.lindab.com/global/Documents/Building%20Components%20Global/... EPD_Lindab_Rainline.pdf (this is not an EPD from an LCA) roof_drainage_system_assembly.pdf roof_drainage_system_technical.pdf
Date of document:	ED: PM51267, Date: 08/05/2009 Assembly: 2505, Date: 17/10/2012 Technical: 153013, Date: 17/01/2012
Revision of document:	ED: Rev 5
Assessor initials:	BRM
Assessment date: (DD/MM/YYYY)	18/03/2013
Reviewer initials:	BRM
Last review date: (DD/MM/YYYY)	25/03/2013

GreenSpec Assessment:

Characteristics of the 'normal' or 'average' product in the same category:

Description of 'Normal' or 'Average' Product in the same category:	Cast iron, copper and stainless steel have small market share
Normal or Average Product: Characteristics: 1	Materials: PVC in domestic or aluminium in non-domestic buildings
Normal or Average Product: Characteristics: 2	PVDF, PVF2, PPC or Anodic Oxide Coatings on aluminium
Normal or Average Product: Characteristics: 3	High thermal movement; joints subject to movement and potential leaks
Normal or Average Product: Characteristics: 4	Use of solvents or sealants in joints

How is this product better than 'normal' or 'average' product in the same category?

Features:	Benefits:
Benefits: Materials: 1	Steel: Avoidance of non-renewable materials (PVC & Coatings)
Benefits: Materials: 2	Steel: Avoidance of very high embodied energy material (aluminium)
Benefits: Materials: 3	Pre-galvanized: Avoidance of organic coatings (is an option)
Benefits: Materials: 4	Pre-galvanized: Simplified recycling with lower pollution potential
Benefits: Properties: 1	Pre-galvanized: Use of self-healing long life corrosion protection
Benefits: Properties: 2	Steel: Reduced thermal movement at joints
Benefits: Properties: 3	Steel & EPDM: leak-proof joints
Benefits: Properties: 4	Ladder can be leaned on strong gutter edge profile and strong brackets
Benefits: Properties: 5	Silent in use
Benefits: Applications: 1	Comprehensive collection of accessories and tools
Benefits: Applications: 2	Very detailed Application Instructions
Benefits: Applications: 3	Many suppliers across UK
Benefits: Competence: 1	Swedish certificate (see above)
Benefits: Accreditations: 1	None identified
Benefits: Endorsements: 1	None identified

How is this product worse than 'normal' or 'average' product in the same category?

Features:	Problems:
Problems: Materials: 1	High embodied energy and emissions aluminium-zinc option High embodied energy and carbon coating option GreenSpec only endorses pre-galvanized steel un-coated option
Problems: Properties: 1	None identified
Problems: Applications: 1	Care must be taken to avoid cutting swarf remaining insitu. Angle grinder must not be used to cut the product as this generate hot swarf which can cause burn marks on coating (if used).
Problems: Product competence: 1	15 year 'finish' warranty, only for organic coated finish, against peeling cracking or fading No 'finish' warranty for galvanized only Integrity of galvanized only: 50 years if regularly maintained
Problems: Accreditations: 1	No UK accreditations

GreenSpec PASS result

Pass or Fail	Pass
The evidence rating (no LCA/EPD = Bronze)	Bronze