

Certificate of Compliance

Sustainability Assessment for Access Flooring Standard

Solid Green Consulting conducted an independent Green Star SA Interiors v1 product evaluation on behalf of:

Pentafloor

For the following products:

SOLID FEEL RANGE
SF15; SF20; SF25; SF45; SF70

This product meets all of the necessary requirements of the Green Building Council of South Africa Materials Assemblies Calculator achieving 65% total score out of 100%

Mat-3 Re-used, recycled or certified content
Mat-3 Manufacturer ISO 14001 certification
Mat-3 Product stewardship in the form of a Take Back Scheme

Name of Supplier and Brief Description of Item	Product Stewardship	Reused, Recycled or Certified Content	Manufacturers ISO 14001 Certification	Item Score (%)
Pentafloor - Solid Feel SF15 - Access Flooring	Take back - purchase	Yes - recycled	Yes	65
Pentafloor - Solid Feel SF20 - Access Flooring	Take back - purchase	Yes - recycled	Yes	65
Pentafloor - Solid Feel SF25 - Access Flooring	Take back - purchase	Yes - recycled	Yes	65
Pentafloor - Solid Feel SF45 - Access Flooring	Take back - purchase	Yes - recycled	Yes	65
Pentafloor - Solid Feel SF70 - Access Flooring	Take back - purchase	Yes - recycled	Yes	65



This compliance certificate is purely to document product compliance to Green Star SA Interiors v1 criteria based on the information provided by the supplier as dated. Solid Green Consulting does not in any way warrant, guarantee or represent that the product that is the subject of this certificate of compliance conforms to any Green Building Council of South Africa Standards, nor accepts any liability arising from the use of this product.

February 2016

PENTAFLOOR PRODUCT WARRANTY

1. All goods sold and manufactured by Pentafloor, are warranted to be free from defects in material and factory workmanship. Goods sold, but not manufactured by Pentafloor are warranted by Pentafloor only to the extent that the original manufacturers thereof shall provide remedy under such manufacturer's warranty for such goods.
2. Pentafloor shall not be liable whatsoever for incidental or consequential losses, damages or expenses, directly or indirectly arising from the sale, handling, or use of the goods, or from any other cause relating thereto. Pentafloor's liability in any case is expressly limited to the replacement (in the form originally shipped) of goods not complying with this warranty or at Pentafloor's election, the repayment of, or crediting the Buyer with, an amount equal to the purchase price of such goods, whether such claims are for breach of warranty or negligence.
3. Any claimed defects in material or factory workmanship shall be deemed waived by the Buyer unless Pentafloor is notified in writing within a reasonable time during the construction period or product warranty period.
4. Pentafloor offers a ten (10) year warrantee on the raised access floor system.
5. Said warranty is against latent defects in design or workmanship under normal working conditions as dictated by Pentafloor Access Floor loading requirements and following Pentafloor maintenance procedures, the proper and correct use of said materials and excluding Acts of Nature and provided that:
 - (a) The products have not been subjected to any accident, misuse, abuse, neglect, deterioration by chemical action or damage during or after shipment nor have been used for a purpose other than its intended purpose.
 - (b) The Buyer, within thirty (30) days after discovery of defects, provides Pentafloor with a reasonable precise written statement of the nature of the Buyer's claim.
 - (c) The Buyer shall preserve such defective product for Pentafloor's inspection.
 - (d) The Buyer has neither altered nor attempted to repair any such defective product.
 - (e) Such defective product was installed in accordance with the installation prescriptions of Pentafloor in a proper interior environmental conditions of an enclosed building.
6. Pentafloor shall not be liable under the foregoing warranty of any loss or damage is caused by improper installation, maintenance, use of the goods, or if the goods are not applied and used according to Pentafloor's current published literature, free copies of which are available on request or if the Buyer did not purchase all structure access floor components from Pentafloor.
7. The foregoing warranty shall be the Buyer's sole remedy and Pentafloor's sole liability under contract warranty or otherwise for products. In no event whatsoever shall Pentafloor be liable for any loss of profits or any other consequential damages.
8. The warrantee for the above as well as the material will be assignable to the client or building owner. The warrantee can be, if so required, made out directly to the relevant party concerned.
9. Pentafloor shall take back any products at the end of the product life cycle or upon branch upgrades to be re-installed or recycled. As per agreement this would not include a take back purchase or refund.
10. Pentafloor shall donate the product to charity or use the materials for recycling purposes after it has been reclaimed from the project.

CUSTOMER: _____

PROJECT: _____

SIGNATURE: _____

DATE: _____





RECYCLED CONTENT FOR SF SERIES PANEL

Panel Type: SF15
 Panel Finish: Bare
 Understructure Type: CornerLock 15 CM FFH

User Input: Change values for items in red based on specific project details.

Product Analysis :

	Unit/Qty	Weight (Kg)	Total (Kg)	Post Consumer Recycled (%)	Post Industrial Recycled (%)	PC (Kg)	PI (Kg)
SF15							
Panel Shell							
Top Sheet	1	2.05	2.05	47.0%	8.0%	0.96	0.16
Bottom Pan	1	3.08	3.08	47.0%	8.0%	1.45	0.25
Panel Shell Total:			5.13	47.0%	8.0%	2.41	0.41
Panel Fill Mixture							
Cement	1	4.70	4.70	0.0%	0.0%	0.00	0.00
Fly Ash	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Gray Water	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Panel Fill Mixture Total:			7.06	0.0%	33.4%	0.00	2.36
CornerLock 15							
Pedestal Head							
Alum head	1.2	0.11	0.13	47.0%	8.0%	0.06	0.01
Stud	1.2	0.13	0.16	47.0%	8.0%	0.07	0.01
Pedestal Head Total:			0.29	47.0%	8.0%	0.14	0.02
Pedestal Base							
Tube	1.2	0.17	0.20	47.0%	8.0%	0.10	0.02
Base Plate	1.2	0.20	0.24	47.0%	8.0%	0.11	0.02
Pedestal Base Total:			0.44	47.0%	8.0%	0.21	0.04

Access Floor System Total:	36.46	21.7%	21.7%	7.91	7.91
	Total Recycled %:	43.4%			
	Total Recycled (Kg):	15.82			



RECYCLED CONTENT FOR SF SERIES PANEL

Panel Type: SF20
 Panel Finish: Bare
 Understructure Type: CornerLock 15 CM FFH

User Input: Change values for items in red based on specific project details.

Product Analysis :

	Unit/Qty	Weight (Kg)	Total (Kg)	Post Consumer Rec%	Post Industrial Rec%	PC (Kg)	PI (Kg)
SF20							
<u>Panel Shell</u>							
Top Sheet	1	2.05	2.05	47.0%	8.0%	0.96	0.16
Bottom Pan	1	3.85	3.85	47.0%	8.0%	1.81	0.31
Panel Shell Total:			5.90	47.0%	8.0%	2.77	0.47
<u>Panel Fill Mixture</u>							
Cement	1	4.70	4.70	0.0%	0.0%	0.00	0.00
Fly Ash	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Gray Water	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Panel Fill Mixture Total:			7.06	0.0%	33.4%	0.00	2.36
CornerLock 15							
<u>Pedestal Head</u>							
Alum head	1.2	0.11	0.13	47.0%	8.0%	0.06	0.01
Stud	1.2	0.13	0.16	47.0%	8.0%	0.07	0.01
Pedestal Head Total:			0.29	47.0%	8.0%	0.14	0.02
<u>Pedestal Base</u>							
Tube	1.2	0.17	0.20	47.0%	8.0%	0.10	0.02
Base Plate	1.2	0.20	0.24	47.0%	8.0%	0.11	0.02
Pedestal Base Total:			0.44	47.0%	8.0%	0.21	0.04

Access Floor System Total:	38.60	23.1%	20.9%	8.92	8.08
	Total Recycled %:		44.0%		
	Total Recycled (Kg):			17.00	



RECYCLED CONTENT FOR SF SERIES PANEL

Panel Type: SF25
 Panel Finish: Bare
 Understructure Type: CornerLock 15 CM FFH

User Input: Change values for items in red based on specific project details.

Product Analysis :

	Unit/Qty	Weight (Kg)	Total (Kg)	Post Consumer Rec%	Post Industrial Rec%	PC (Kg)	PI (Kg)
SF25							
<u>Panel Shell</u>							
Top Sheet	1	2.63	2.63	47.0%	8.0%	1.24	0.21
Bottom Pan	1	3.50	3.50	47.0%	8.0%	1.65	0.28
Panel Shell Total:			6.13	47.0%	8.0%	2.88	0.49
<u>Panel Fill Mixture</u>							
Cement	1	4.70	4.70	0.0%	0.0%	0.00	0.00
Fly Ash	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Gray Water	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Panel Fill Mixture Total:			7.06	0.0%	33.4%	0.00	2.36
CornerLock 15							
<u>Pedestal Head</u>							
Alum head	1.2	0.11	0.13	47.0%	8.0%	0.06	0.01
Stud	1.2	0.13	0.16	47.0%	8.0%	0.07	0.01
Pedestal Head Total:			0.29	47.0%	8.0%	0.14	0.02
<u>Pedestal Base</u>							
Tube	1.2	0.17	0.20	47.0%	8.0%	0.10	0.02
Base Plate	1.2	0.20	0.24	47.0%	8.0%	0.11	0.02
Pedestal Base Total:			0.44	47.0%	8.0%	0.21	0.04

Access Floor System Total:	39.24	23.5%	20.7%	9.22	8.13
	Total Recycled %:		44.2%		
	Total Recycled (Kg):			17.35	



RECYCLED CONTENT FOR SF SERIES PANEL

Panel Type: SF45
 Panel Finish: Bare
 Understructure Type: CornerLock 15 CM FFH

User Input: Change values for items in red based on specific project details.

Product Analysis :

	Unit/Qty	Weight (Kg)	Total (Kg)	Post Consumer Recycled (%)	Post Industrial Recycled (%)	PC (Kg)	PI (Kg)
SF45							
Panel Shell							
Top Sheet	1	3.21	3.21	47.0%	8.0%	1.51	0.26
Bottom Pan	1	5.00	5.00	47.0%	8.0%	2.35	0.40
Panel Shell Total:			8.21	47.0%	8.0%	3.86	0.66
Panel Fill Mixture							
Cement	1	4.70	4.70	0.0%	0.0%	0.00	0.00
Fly Ash	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Gray Water	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Panel Fill Mixture Total:			7.06	0.0%	33.4%	0.00	2.36
CornerLock 15							
Pedestal Head							
Alum head	1.2	0.11	0.13	47.0%	8.0%	0.06	0.01
Stud	1.2	0.13	0.16	47.0%	8.0%	0.07	0.01
Pedestal Head Total:			0.29	47.0%	8.0%	0.14	0.02
Pedestal Base							
Tube	1.2	0.17	0.20	47.0%	8.0%	0.10	0.02
Base Plate	1.2	0.20	0.24	47.0%	8.0%	0.11	0.02
Pedestal Base Total:			0.44	47.0%	8.0%	0.21	0.04

Access Floor System Total:	45.02	26.5%	19.1%	11.94	8.59
	Total Recycled %:		45.6%		
	Total Recycled (Kg):			20.53	



RECYCLED CONTENT FOR SF SERIES PANEL

Panel Type: SF70
 Panel Finish: Bare
 Understructure Type: CornerLock 15 CM FFH

User Input: Change values for items in red based on specific project details.

Product Analysis :

	Unit/Qty	Weight (Kg)	Total (Kg)	Post Consumer Rec%	Post Industrial Rec%	PC (Kg)	PI (Kg)
SF70							
<u>Panel Shell</u>							
Top Sheet	1	5.84	5.84	47.0%	8.0%	2.74	0.47
Bottom Pan	1	5.00	5.00	47.0%	8.0%	2.35	0.40
Panel Shell Total:			10.84	47.0%	8.0%	5.09	0.87
<u>Panel Fill Mixture</u>							
Cement	1	4.70	4.70	0.0%	0.0%	0.00	0.00
Fly Ash	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Gray Water	1	1.18	1.18	0.0%	100.0%	0.00	1.18
Panel Fill Mixture Total:			7.06	0.0%	33.4%	0.00	2.36
CornerLock 15							
<u>Pedestal Head</u>							
Alum head	1.2	0.11	0.13	47.0%	8.0%	0.06	0.01
Stud	1.2	0.13	0.16	47.0%	8.0%	0.07	0.01
Pedestal Head Total:			0.29	47.0%	8.0%	0.14	0.02
<u>Pedestal Base</u>							
Tube	1.2	0.17	0.20	47.0%	8.0%	0.10	0.02
Base Plate	1.2	0.20	0.24	47.0%	8.0%	0.11	0.02
Pedestal Base Total:			0.44	47.0%	8.0%	0.21	0.04

Access Floor System Total:	52.33	29.4%	17.5%	15.37	9.18
	Total Recycled %:		46.9%		
	Total Recycled (Kg):			24.55	

EWC



Certificate of Environment Management System

Certificate No.: 102708E

Awarded to

Pentafloor Asia Co.,Ltd

Weixing Industrial Zone, Henglin Town, Wujin District, Changzhou City, Jiangsu Province, China

*Has established a Environment Management System which is in
Accordance with the Requirements of the Standard:*

ISO14001:2004

GB/T24001-2004


SCOPE OF CERTIFICATION

The Environmental Management Activities Related to

Manufacture of Raised Access Floor

Validity of This Certificate: Dec. 9, 2014 To: Dec. 8, 2017

*The effectiveness of this Certificate shall be validated by periodic surveillance audit of EWC for maintenance.
This Certificate will not be in force unless qualified identification is stuck thereunder by EWC
within appropriate time limit*

Nov. 2015	
To	
Oct. 2016	

Nov. 2016	Stuck
To	
May. 2017	

Jun. 2017	Stuck
To	
Dec. 8, 2017	

Conditions on effectiveness of certificate see <http://www.ewqcc.org>

EWC:



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