

# **Statement of Verification**

BREG EN EPD No.: 000185 ECO EPD Ref. No. 00000655 This is to verify that the

**Environmental Product Declaration** provided by:

**Amtico International** 

is in accordance with the requirements of:

EN 15804:2012+A1:2013

and

BRE Global Scheme Document SD207

This declaration is for:

**Amtico Assura Luxury Vinyl Floor Tiles** 

# **Company Address**

Kingsfield Road Coventry CV6 5AA UK



A MANNINGTON COMPANY

F.Baker

Signed for BRE Global Ltd

Emma Baker
Operator

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23 April 2018

Issue 01

Date of this Issue

22 April 2023

**Expiry Date** 

23 April 2018

Date of First Issue



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# **Environmental Product Declaration**

**EPD Number: 000185** 

## **General Information**

EPD Programme Operator	Applicable Product Category Rules
BRE Global Watford, Herts WD25 9XX United Kingdom	BRE Environmental Profiles 2013 Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013
Commissioner of LCA study	LCA consultant/Tool
Amtico International Kingfield Road, Coventry, UK, CV6 5AA	BRE/LINA
Declared/Functional Unit	Applicability/Coverage
1m <sup>2</sup> of Amtico Assura Luxury Vinyl Floor Tiles	Product Average.
EPD Type	Background database
EPD Type  Cradle to Gate with options	Background database ecoinvent
Cradle to Gate with options	
Cradle to Gate with options  Demonstra	ecoinvent
Cradle to Gate with options  Demonstra  CEN standard EN 18	ecoinvent
Cradle to Gate with options  Demonstrate  CEN standard EN 18  Independent verification of the declarate Internal  (Where approperation)	ecoinvent  ation of Verification  5804 serves as the core PCR <sup>a</sup> ation and data according to EN ISO 14025:2010

## Comparability

Environmental product declarations from different programmes may not be comparable if not compliant with EN 15804:2012+A1:2013. Comparability is further dependent on the specific product category rules, system boundaries and allocations, and background data sources. See Clause 5.3 of EN 15804:2012+A1:2013 for further guidance



## Information modules covered

	Product		Const	ruction	Use stage  Related to the building fabric  Related to				End-of-life			Benefits and loads beyond the system				
					Rei	ated to	the bui	lding fa	bric		uilding					boundary
A1	A2	А3	A4	<b>A</b> 5	B1	B2	В3	В4	B5	В6	В7	C1	C2	C3	C4	D
Raw materials supply	Transport	Manufacturing	Transport to site	Construction – Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse, Recovery and/or Recycling potential
$\overline{\mathbf{A}}$	$\square$	$\overline{\mathbf{A}}$	$\overline{\mathbf{Q}}$	$\overline{\mathbf{Q}}$		$\overline{\mathbf{A}}$						$\overline{\mathbf{Q}}$	$\overline{\mathbf{A}}$	$\overline{\mathbf{Q}}$	$\overline{\mathbf{Q}}$	

Note: Ticks indicate the Information Modules declared.

## **Manufacturing site(s)**

Amtico International Kingfield Road Coventry United Kingdom CV6 5AA

## **Construction Product:**

#### **Product Description**

Amtico Assura is a design-led, high-performance, enhanced slip resistant, luxury vinyl tile collection consisting of 48 products: 24 Woods, 15 Stones and 9 Abstract designs, available various embosses, tile/plank sizes. Amtico Assura can be used in locations where enhance slip resistance is desirable.

Amtico Assura is a 2.5 mm product with a 1 mm wear layer and is classified as per EN ISO 10874 for use in the following areas.

- 1. Class 34, Very Heavy Commercial
- 2. Class 43, Heavy Light Industrial

Amtico Assura products are recommended for use over properly prepared concrete, suspended wood, metal and other suitable substrates.

Assura should only be installed using Amtico Adhesives, all of which are certified as EC1 Plus very low emissions, as defined by the GEV EMICODE scheme.



## **Technical Information**

Property	Value, Unit
Usage Classification (EN ISO 10874)	34,43
Manufacturing Standard (EN ISO 10582)	Pass
Total Thickness (EN ISO 24346)	2.5mm
Wear Layer Thickness (EN ISO 24340)	1.0mm
Weight (EN ISO 23997)	3100 g/m <sup>2</sup>
Abrasion Resistance (EN ISO 10582) (EN13845 Annex D)	Type 1 50,000 cycles
Residual Indentation (EN ISO 24343-1)	≤0.1mm
Dimensional Stability (EN ISO 23999)	≤0.25%
Dimensional Stability / Curling (EN ISO 23999)	≤2mm
Flexibility (EN ISO 24344 Method A)	Pass
Slip Resistance (BS7976, UK Slip Resistance Group Guidelines)	>36 in wet. Low potential for slip
Slip Resistance (DIN 51130)	R10
Slip Resistance (EN13893)	Class DS
Slip Resistance (EN1345 Annex C)	Class ES
Chemical Resistance (EN ISO 26987)	Excellent
Light Stability (EN ISO 105-B02)	≥6
Flammability /Smoke Emissions (EN 13501-1)	B <sub>fl</sub> s1
Castor Chair Resistance (Type W) (EN ISO 4918)	Pass
Emissions (AgBB/DIBt)	AbZ ref.noZ-156.603.596
Emissions (Emissions dans l'air interieur)	A+
Amtico Assura Technical Data Sheet is available on the Amtico website. https://www.amtico.com/commercial/technical/docs/assura-collection/	

# **Main Product Contents**

Material/Chemical Input	%
Urethane Lacquer	<1
Polyvinyl chloride	71
Plasticisers	18
Filler	7
Stabilisers & Pigments	<3



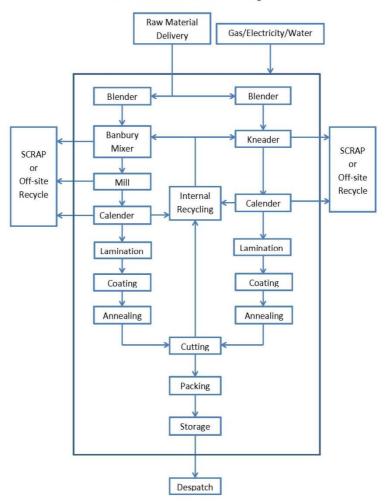
## **Manufacturing Process**

The product is constructed by the thermal lamination of the wear layer print film and backing plies. The wear layer and backing plies are all manufactured as follows

- 1. Required ply raw materials are initially blended
- 2. The ply blend is then heated and calendered on a mill to produce a ply of the required thickness.
- 3. The plies required to form the end product, along with the print film, are thermally laminated together under pressure, to form the final product.
- 4. The product is then coated with polyurethane, before being cut to size, boxed and dispatched to the customer.

## **Process flow diagram**

#### Amtico Production Process Flow Diagram





#### **Construction Installation**

Amtico Assura should be bonded with a suitably low emissions adhesive to an appropriately prepared subfloor, as detailed in BS8302. Full details on installation can be found at

https://www.amtico.com/media/2215989/amtico-signature-spacia-form-first-assura-installation-guidelines-desin-20170731-02-gb.pdf.

Vinyl installation off cuts can be disposed of via recycling schemes such AgPR, or used in energy recovery schemes or landfilled. Wherever possible it is recommended that products should always be recycled

#### **Use Information**

#### **Emissions:**

Amtico Assura adheres to the emission requirements of AgBB/DIBt, Belgium and is rated as A+ in the French 'Emissions dans l'air interieur' scheme.

#### **End of Life**

At the end of the product's life, the flooring is mechanically removed from the subfloor and disposed of by landfill or Incineration/energy recovery. It is assumed that the amount of energy required to remove the floor is 0.03kWh/m2.

It is assumed that 80% of the product will go to landfill, with the remaining 20% being recycled or used in energy recovery schemes. The distance travelled from the demolition site to a disposal site will be no more than 200km.

# **Life Cycle Assessment Calculation Rules**

#### **Declared / Functional unit description**

1m<sup>2</sup> Amtico Assura Luxury Vinyl Floor Tiles

## **System boundary**

Modules A1-A3: Includes raw materials, energy, water and transport processes required to make the product up to the factory gate, as well as production, packaging and general site waste.

Module A4: Transport from factory gate to installation site. Distance was calculated as an average based on product sales across UK, Europe, Middle and Far East.

Module A5: Floor installation, including adhesive and disposal of off-cuts and packaging.

Module B2: Electricity, water, cleaning products required to clean and maintain the product for one year.

Module C1: The amount of electricity required to remove a floor.

Module C2: Transportation of removed flooring to landfill or energy recovery site. Assumed distance is 200km.

Module C3: Waste processing of flooring waste.

Module C4: Disposal



## Data sources, quality and allocation

Amtico manufactures other LVT products at its production site in addition to the product covered by this EPD. Calculations were performed to enable allocation of total site energy use, water and waste to the Amtico Assura Luxury Vinyl Floor Tiles product. Allocation procedures were by physical allocation and are according to EN 15804 and are based on the ISO14044 guidance

Transportation distances were calculated for a Amtico Assura, based percentage of total square meters supplied to a distribution centre or sales region and the distance to the distribution centre or sales region.

The LCA was calculated using BRE LINA V2.0.8 with Ecoinvent

#### **Cut-off criteria**

- 1. No manufacturing site water discharge volume data was available. Historical data indicated that 25% of the input water is discharge to the drain. The other 75% is lost through steam leaks, evaporation from cooling towers and quench water going to surface drains.
- 2. Transport distances to site were not calculated for Sales Business Units with <1% of product sales.
- 3. The product life was based on the commercial 20 years warranty.



#### **LCA Results**

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts										
			GWP	ODP	AP	EP	POCP	ADPE	ADPF	
			kg CO <sub>2</sub> equiv.	kg CFC 11 equiv.	kg SO₂ equiv.	kg (PO <sub>4</sub> ) <sup>3-</sup> equiv.	kg C₂H₄ equiv.	kg Sb equiv.	MJ, net calorific value.	
	Raw material supply	A1	6.46e+0	1.31e-7	2.22e-2	4.91e-3	9.18e-3	3.01e-5	1.64e+2	
Product stage	Transport	A2	3.70e-1	6.55e-8	3.39e-3	5.00e-4	3.22e-4	7.20e-7	5.48e+0	
1 Toddet Stage	Manufacturing	A3	5.12e-1	9.70e-8	6.15e-3	2.15e-3	6.12e-4	2.21e-6	1.92e+1	
	Total (of product stage)	A1-3	7.35e+0	2.94e-7	3.18e-2	7.56e-3	1.01e-2	3.30e-5	1.89e+2	
Construction	Transport	A4	1.72e+0	2.97e-7	7.80e-3	2.36e-3	1.80e-3	5.77e-6	2.55e+1	
process stage	Construction	A5	1.03e+0	1.31e-7	5.44e-3	1.82e-3	1.36e-3	5.74e-6	2.57e+1	
	Use	B1	MND	MND	MND	MND	MND	MND	MND	
	Maintenance	B2	1.10e+1	7.92e-7	6.09e-2	1.66e-2	4.34e-3	2.05e-5	1.89e+2	
	Repair	В3	MND	MND	MND	MND	MND	MND	MND	
Use stage	Replacement	B4	MND	MND	MND	MND	MND	MND	MND	
	Refurbishment	B5	MND	MND	MND	MND	MND	MND	MND	
	Operational energy use	В6	MND	MND	MND	MND	MND	MND	MND	
	Operational water use	В7	MND	MND	MND	MND	MND	MND	MND	
	Deconstruction, demolition	C1	1.80e-2	1.17e-9	9.77e-5	2.24e-5	5.56e-6	2.18e-8	2.78e-1	
End of life	Transport	C2	1.04e-1	1.91e-8	3.47e-4	9.15e-5	6.05e-5	2.73e-7	1.57e+0	
LIG OF ITE	Waste processing	C3	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	
	Disposal	C4	1.59e-1	6.81e-9	5.06e-4	9.39e-3	5.53e-5	3.71e-8	6.31e-1	
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND	MND	MND	MND	

GWP = Global Warming Potential; ODP = Ozone Depletion Potential; AP = Acidification Potential for Soil and Water; EP = Eutrophication Potential; POCP = Formation potential of tropospheric Ozone; ADPE = Abiotic Depletion Potential – Elements; ADPF = Abiotic Depletion Potential – Fossil Fuels;



Parameters	describing r	esour	ce use, pri	imary ener	gy			
			PERE	PERM	PERT	PENRE	PENRM	PENRT
			MJ	MJ	MJ	MJ	MJ	MJ
	Raw material supply	A1	4.66e+0	2.59e-4	4.66e+0	1.87e+2	0.00e+0	1.87e+2
Product stage	Transport	A2	9.33e-2	2.35e-7	9.33e-2	5.50e+0	0.00e+0	5.50e+0
Froduct stage	Manufacturing	А3	1.13e+1	2.98e-6	1.13e+1	2.34e+1	0.00e+0	2.34e+1
	Total (of product stage)	A1-3	1.60e+1	2.62e-4	1.60e+1	2.16e+2	0.00e+0	2.16e+2
Construction	Transport	A4	6.21e-1	5.20e-6	6.21e-1	2.58e+1	0.00e+0	2.58e+1
process stage	Construction	A5	2.95e+0	1.83e-5	2.95e+0	2.76e+1	0.00e+0	2.76e+1
	Use	B1	MND	MND	MND	MND	MND	MND
	Maintenance	B2	1.41e+1	3.56e+-5	1.41e+1	2.40e+2	0.00e+0	2.40e+2
	Repair	В3	MND	MND	MND	MND	MND	MND
Use stage	Replacement	B4	MND	MND	MND	MND	MND	MND
	Refurbishment	B5	MND	MND	MND	MND	MND	MND
	Operational energy use	В6	MND	MND	MND	MND	MND	MND
	Operational water use	В7	MND	MND	MND	MND	MND	MND
	Deconstruction, demolition	C1	2.40e-2	4.33e-8	2.40e-2	3.70e-1	0.00e+0	3.70e-1
End of life	Transport	C2	2.08e-2	7.74e-8	2.08e-2	1.56e+0	0.00e+0	1.56e+0
Life of life	Waste processing	С3	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
	Disposal	C4	2.02e-2	5.56e-8	2.02e-2	6.39e-1	0.00e+0	6.39e-1
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND	MND	MND

PERE = Use of renewable primary energy excluding renewable primary energy used as raw materials;
PERM = Use of renewable primary energy resources used as raw

materials;

PERT = Total use of renewable primary energy resources;

PENRE = Use of non-renewable primary energy excluding nonrenewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials;

PENRT = Total use of non-renewable primary energy resource



Parameters of	describing res	ource	use, secondary n	naterials and fuels	s, use of water	
			SM	RSF	NRSF	FW
			kg	MJ net calorific value	MJ net calorific value	m³
	Raw material supply	A1	0.00e+0	0.00e+0	0.00e+0	4.71e-1
Draduot otogo	Transport	A2	0.00e+0	0.00e+0	0.00e+0	1.24e-3
Product stage	Manufacturing	A3	0.00e+0	0.00e+0	0.00e+0	8.81e-3
	Total (of product stage)	A1-3	0.00e+0	0.00e+0	0.00e+0	4.81e-1
Construction	Transport	A4	0.00e+0	0.00e+0	0.00e+0	7.42e-3
process stage	Construction	A5	0.00e+0	0.00e+0	0.00e+0	5.81e-2
	Use	B1	MND	MND	MND	MND
	Maintenance	B2	0.00e+0	0.00e+0	0.00e+0	7.99e-2
	Repair	В3	MND	MND	MND	MND
Use stage	Replacement	B4	MND	MND	MND	MND
	Refurbishment	B5	MND	MND	MND	MND
	Operational energy use	В6	MND	MND	MND	MND
	Operational water use	В7	MND	MND	MND	MND
	Deconstruction, demolition	C1	0.00e+0	0.00e+0	0.00e+0	7.39e-5
Final of life	Transport	C2	0.00e+0	0.00e+0	0.00e+0	3.39e-4
End of life	Waste processing	С3	0.00e+0	0.00e+0	0.00e+0	0.00e+0
	Disposal	C4	0.00e+0	0.00e+0	0.00e+0	7.13e-4
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND

SM = Use of secondary material; RSF = Use of renewable secondary fuels;

NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water



Other environmental information describing waste categories							
			HWD	NHWD	RWD		
			kg	kg	kg		
	Raw material supply	A1	1.41e-1	1.93e-1	5.23e-5		
Draduat ataga	Transport	A2	2.34e-3	1.73e-1	3.76e-5		
Product stage	Manufacturing	A3	1.12e-2	4.77e-2	1.14e-4		
	Total (of product stage)	A1-3	1.57e-1	4.14e-1	2.04e-4		
Construction	Transport	A4	2.35e-2	6.95e-1	1.68e-4		
process stage	Construction	A5	2.30e-2	1.60e-1	6.42e-5		
	Use	B1	MND	MND	MND		
	Maintenance	B2	6.00e-2	4.57e-1	1.15e-3		
	Repair	В3	MND	MND	MND		
Use stage	Replacement	B4	MND	MND	MND		
	Refurbishment	B5	MND	MND	MND		
	Operational energy use	B6	MND	MND	MND		
	Operational water use	B7	MND	MND	MND		
	Deconstruction, demolition	C1	4.22e-5	4.49e-4	2.04e-6		
Ford of Res	Transport	C2	6.56e-4	7.30e-2	1.08e-5		
End of life	Waste processing	СЗ	0.00e+0	0.00e+0	0.00e+0		
	Disposal	C4	4.79e-4	2.49e+0	3.96e-6		
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND		

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed



Other enviro	nmental inforn	nation	describing outpu	ut flows – at end c	of life	
			CRU	MFR	MER	EE
			kg	kg	kg	MJ per energy carrier
	Raw material supply	A1	0.00e+0	0.00e+0	0.00e+0	0.00e+0
Product stage	Transport	A2	0.00e+0	0.00e+0	0.00e+0	0.00e+0
Product stage	Manufacturing	A3	0.00e+0	9.28e-2	2.01e-2	0.00e+0
	Total (of product stage)	A1-3	0.00e+0	9.28e-2	2.01e-2	0.00e+0
Construction	Transport	A4	0.00e+0	0.00e+0	0.00e+0	0.00e+0
process stage	Construction	A5	0.00e+0	4.70e-1	1.58e-1	0.00e+0
	Use	B1	MND	MND	MND	MND
	Maintenance	B2	0.00e+0	0.00e+0	6.24e-2	0.00e+0
	Repair	В3	MND	MND	MND	MND
Use stage	Replacement	B4	MND	MND	MND	MND
	Refurbishment	B5	MND	MND	MND	MND
	Operational energy use	В6	MND	MND	MND	MND
	Operational water use	B7	MND	MND	MND	MND
	Deconstruction, demolition	C1	0.00e+0	0.00e+0	0.00e+0	0.00e+0
Final of life	Transport	C2	0.00e+0	0.00e+0	0.00e+0	0.00e+0
End of life	Waste processing	СЗ	0.00e+0	0.00e+0	0.00e+0	0.00e+0
	Disposal	C4	0.00e+0	0.00e+0	6.20e-1	0.00e+0
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND

CRU = Components for reuse; MFR = Materials for recycling MER = Materials for energy recovery; EE = Exported Energy



# Scenarios and additional technical information

Scenarios	Scenarios and additional technical information							
Scenario	Parameter	Units	Results					
	Products manufactured at Coventry are distributed in the UK, acro Far East. The average distance transported for each geographical the distance travelled by the percentage sales volume per square The sales volumes were those in 2016. The transportation data is	market was calculate meter.	ed by multiplying					
	UK Direct Delivery: Diesel / Vehicle Van	Litre of fuel type per distance or vehicle type	0.32l/km					
	Distance:	km	286					
	Capacity utilisation (incl. empty returns)	%	Not stated					
A 4	Bulk density of transported products	kg/m <sup>3</sup>	1240					
A4 – Transport to the building	Worldwide: Diesel / 16-32 tonne Lorry	Litre of fuel type per distance or vehicle type	0.032l/km					
site	Distance:	km	34					
	Capacity utilisation (incl. empty returns)	%	35					
	Bulk density of transported productskg/m3	kg/m <sup>3</sup>	1240					
	Worldwide: Ship	Litre of fuel type per distance or vehicle type	l/km					
	Distance:	km	216					
	Capacity utilisation (incl. empty returns)	%	65					
	Bulk density of transported productskg/m3	kg/m <sup>3</sup>	1240					



Scenario	Parameter	Units	Results						
Scenario	i didiffetei	Office	ixesuits						
	Amtico Assura should be bonded with a suitable low emissions subfloor as detailed in BS8302. Full details on installation can be installation off cuts can be disposed of via recycling schemes su scheme or landfilled. Wherever possible it is recommended that	e found at <u>www.amtico</u> uch AgPR, or used in ei	.com. Vinyl nergy recovery						
	Installation Wastage	% Installation Wastage Rate	5						
	Post installation Cleaning	I/m²	0.02						
<b>45</b> –	Ancillary Materials	Mass per unit area of product installed kg/m <sup>2</sup>	0.288						
Installation in the building	Material Waste	Installation off cuts mass per unit area of product installed kg/m <sup>2</sup>	0.155						
	Cardboard Packaging	Mass per unit area of product installed kg/m²	0.19						
	Wood Packaging	Mass per unit area of product installed kg/m <sup>2</sup>	0.273						
	Shrink Wrap	Mass per unit area of product installed kg/m <sup>2</sup>	0.002						
B2 – Maintenance	The required recommended cleaning and maintenance regime installation and the foot traffic over the floor. High traffic areas v maintenance than low traffic situations.  Dry cleaning may be performed with a dust mop or with a vacuu performed with a mop, detergent and water. Power cleaning is etc. The calculations are assumed for 1m² per year.	vill generally require mount of the mount of	ore cleaning aring can be crubber driers						
Mairiteriarice	52 Powered Cleaning operations a year, 1.5kW machine	kWh/m²	0.27						
	52 Wet Cleans per year (Water use)	l/yr./m²	3.224						
	Detergent usage	kg/yr./m²	0.0416						
Reference service life	Amtico International (hereinafter referred to as the Company) h Amtico Assura flooring supplied to the original purchaser under due to 'Wear-out' from normal foot traffic, within twenty years fr be repaired or replaced with the same or similar material free or of the pattern and colour from the Amtico Assura floor caused b layer.  The LCA was determined using the commercial warranty	this agreement, requiri om the date of purchase f charge. 'Wear-out' me	ng replacemer e, the floor will ans the remov						
	Commercial Product Warranty	Years	20						
	Commercial Product Warranty  Commercial warranty details can be found on the Amtico website  https://www.amtico.com/commercial/technical/docs/assura-collection/								



Scenarios and additional technical information								
Scenario	Parameter Units Results							
C1 to C4 End of life,	Description of scenario	<u>'</u>						
C1	At the end of the product's life, the flooring is mechanically disposed of by landfill or Incineration/energy recovery.	removed from the s	ubfloor and					
O1	Electricity for power tools kWh/m² 0.03							
C2	It is assumed that 80% of the dismantled flooring goes to incinerated for energy recovery or recycled. The disposal semolition site							
C3	The floor is mechanically removed from the installation and Landfill 80%. No further processing required.  Incineration/energy recovery 20%. No further processing removed.	•	as follows,					
	Final disposal							
C4	Polyvinyl chloride Waste to Energy recovery	kg	0.62					
	Polyvinyl chloride Waste to Landfill	kg	2.48					



# Summary, comments and additional information

#### **Product Brochures**

Amtico Assura brochure is available at <a href="https://www.amtico.com/commercial/brochures/">https://www.amtico.com/commercial/brochures/</a>

#### **Technical Product Information**

Amtico Assura Technical Data Sheet, Declaration of Conformity and Reaction to Fire test reports are available on the Amtico website.

https://www.amtico.com/commercial/technical/docs/assura-collection/

#### **Technical Standards**

Copies of the test standards quoted in the Technical Data Sheets are available from the British Standards Institute website.

https://shop.bsigroup.com/

#### **Warranties**

Commercial warranty can be found on the Amtico website <a href="https://www.amtico.com/commercial/technical/docs/assura-collection/">https://www.amtico.com/commercial/technical/docs/assura-collection/</a>

## **Installation and Aftercare**

Installation, adhesives and aftercare instructions are available on the Amtico Website at <a href="https://www.amtico.com/commercial/technical/docs/assura-collection/">https://www.amtico.com/commercial/technical/docs/assura-collection/</a> and <a href="https://www.amtico.com/commercial/technical/docs/adhesives-maintenance/">https://www.amtico.com/commercial/technical/docs/adhesives-maintenance/</a>



# **Example of Amtico Assura**

Fig1 Image of product





**Amtico Logo** 

# antico A MANNINGTON COMPANY

Figure 2

## References

BSI. Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products. BS EN 15804:2012+A1:2013. London, BSI, 2013.

BSI. Environmental labels and declarations – Type III Environmental declarations – Principles and procedures. BS EN ISO 14025:2010 (exactly identical to ISO 14025:2006). London, BSI, 2010.

BSI. Environmental management – Life cycle assessment – Principles and framework. BS EN ISO 14040:2006. London, BSI, 2006.

BSI. Environmental management – Life cycle assessment – requirements and guidelines. BS EN ISO 14044:2006. London, BSI, 2006.