

BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

1 Basic data

Product identification		Document ID
Product name DOUBLE COATED PE FOAM TAPE/STRIPS	Product no/ID designation 5790.TH 1,0	Product group Bonding & Joining
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	In the case of a revised declaration	
	Has the product been changed? <input type="checkbox"/> No <input type="checkbox"/> Yes	The change relates to Changed product can be identified by
Drawn up/revised on (date) 12/02/2009		Inspected without revision on (date)
Other information:		

2 Supplier information

Company name Nitto Europe NV		Company reg. no/DUNS no 37-020-1394	
Address Eikelaarstraat 22 3600 Genk, Belgium		Contact person MIKAEL KJELLANDER	Telephone +32 89 36 01 11
Website: www.nittoeurope.com		E-mail info@nittoeur.com	
Does the company have an environmental management system?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
The company possesses certification in compliance with	<input checked="" type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000	<input checked="" type="checkbox"/> Other	If "other", please specify: ISO TS16949
Other information:			

3 Product information

Country of final manufacture	Belgium	If country cannot be stated, please state why	
Area of use	See Data Sheet/Product Specification		
Is there a Safety Data Sheet for this product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
In accordance with the regulations of the Swedish Chemicals Agency, please state:	Classification Labelling	<input type="checkbox"/> Not relevant	
Is the product registered in BASTA?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Has the product been eco-labelled?	<input type="checkbox"/> Criteria not found	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If "yes", please specify:			
Is there a Type III environmental declaration for the product?			<input type="checkbox"/> Yes <input type="checkbox"/> No
Other information:			

4 Contents

At the time of delivery, the product comprises the following parts/components, with the chemical composition stated:					
Constituent materials/components	Constituent substances	Weight % or g	EG no/ CAS no (or alloy)	Classification	Comments
Double Coated PE Foam Tape/Strips	Siliconised natural paper				
	Solvent based acrylic adhesive				

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

	Synthetic resins				
	Polyolefine foam				
Other information:					
If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the finished built in product should be given here. If the content is unchanged, no data need be given in the following table.					
Constituent materials/ components	Constituent substances	Weight % or g	EG no/ CAS no (or alloy)	Classification	Comments
Other information:					

5 Production phase

Resource utilisation and environmental impact during production of the item is reported in one of the following ways:					
<input type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the manufacturing unit , and the outflows (emissions and residual products) from it, i.e. from "gate-to-gate".					
<input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. "cradle-to-gate".					
<input type="checkbox"/> 3) Other limitation. State what:					
The report relates to unit of product		<input type="checkbox"/> Reported product		<input type="checkbox"/> The product's product group	
				<input type="checkbox"/> The product's production unit	
Indicate raw materials and intermediate goods used in the manufacture of the product					<input type="checkbox"/> Not relevant
Raw material/intermediate goods		Quantity and unit		Comments	
Indicate recycled materials used in the manufacture of the product					<input type="checkbox"/> Not relevant
Type of material		Quantity and unit		Comments	
Enter the energy used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of energy		Quantity and unit		Comments	
Enter the transportation used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of transportation		Proportion %		Comments	
Enter the emissions to air, water or soil from the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of emission		Quantity and unit		Comments	
Enter the residual products from the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Residual product		Waste code	Quantity	Proportion recycled	
				Material recycled %	Energy recycled %
Is there a description of the data accuracy for the manufacturing data?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:	

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

Other information:

6 Distribution of finished product

Does the supplier put into practice a system for returning load carriers for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the supplier put into practice any systems involving multi-use packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is the supplier affiliated to REPA?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other information:			

7 Construction phase

Are there any special requirements for the product during storage?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: See Product Specification
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Other information:				

8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:			
Does the product have any special energy supply requirements for operation?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:			
Estimated technical service life for the product is to be entered according to one of the following options, a) or b):						
a) Reference service life estimated as being approx.	<input type="checkbox"/> 5 years	<input type="checkbox"/> 10 years	<input type="checkbox"/> 15 years	<input type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	Comments/Warranty: See Product Specification
b) Reference service life estimated to be in the interval of	years					
Other information:						

9 Demolition

Is the product ready for disassembly (taking apart)?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information:				

10 Waste management

Is it possible to re-use all or parts of the product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Is it possible to recycle materials for all or parts of the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Is it possible to recycle energy for all or parts of the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Enter the waste code for the supplied product				
Is the supplied product classed as hazardous waste?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished built in product, then this should be entered here. If it is unchanged, the following details can be omitted.				

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

Enter the waste code for the built in product		
Is the built in product classed as hazardous waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other information:		

11 Indoor environment

When used as intended, the product gives off the following emissions:			<input type="checkbox"/> The product does not have any emissions	
Type of emission	Quantity [$\mu\text{g}/\text{m}^3\text{h}$] or [$\text{mg}/\text{m}^3\text{h}$]		Method of measurement	Comments
	4 weeks	26 weeks		
Can the product itself give rise to any noise?			<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit	Method of measurement		
Can the product give rise to electrical fields?			<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit	Method of measurement		
Can the product give rise to magnetic fields?			<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit	Method of measurement		
Other information:				

References

Appendices

MSDS
 Product Specification
 ISO 9000 certificate
 ISO 14000 certificate
 ISO TS 16949 certificate
 Data Sheet

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

Nitto Europe NV

Eikelaarstraat 22, 3600 Genk, Belgium



Material Safety Data Sheet

**MSDS DOUBLE COATED PE FOAM TAPE -STRIPS
5790**

MSDS Number MSDS -0261

*Document is in the Final
Approval Process. 1 -
approval is required*

Preparation Information:

Site: Nitto Europe
NV

Section 1: Product and Company Identification:

Product Name :

[Search product](#)
5790

Chemical Name :

DOUBLE COATED PE
FOAM TAPE/STRIPS

Formula :

CAS Number :

Product Use .

Designed for mounting plastic and metal emblems to several substrates.

The tape is used as an expedient in the interior wall construction industry : mounting of plasterboard to galvanized steel, bonding of two plaster boards in order to increase the wall thickness, mounting of ceramic tiles to the plasterboards.

Supplier Information:

Supplier Name :

Nitto Europe NV

Supplier Phone :

+32 089 360 111

Supplier Contact :

Mr. Paul Partoens

Address:

Eikelaarstraat 22
Genk, BE 3600

Emergency Contact Information:

Section 2: Hazards Overview

Emergency Overview :

No specific emergency measures are needed because no health effects are expected.

Potential Health Effects :

No health effects are to be expected. This conclusion is based on the composition, the properties of the components and the use of the product.

Chronic Health Hazards :

No chronic health effects are to be expected.

Medical Conditions Generally Aggravated by Exposure :

Prolonged or repeated contact with skin may cause a slight irritation.

Section 3: Composition Information on Ingredients

A. Substances which give the product its health-risk properties:

This product is considered an 'article' and therefore does not require that a Material Safety Data Sheet be provided for this product.

Ingredient:	CAS No.	% Weight:	Symbol	R-phrase

B. Other substances:

Ingredient:	CAS No.	% Weight:	Symbol	R-phrase
paper	Not applicable			
solvent based acrylic adhesive	Not applicable			
polyethylene	Not applicable			
synthetic resins	Not applicable			
ethylene vinyl acetate copolymer	24937-78-8			

Section 4: First Aid Measures

Eye Contact :

Flush eyes with plenty of water.

Skin Contact :

Wash with water and soap. If there is persistent irritation, contact physician.

If in contact with molten material, submerge injured area in cold water. Do not attempt to remove material adhering to the skin.

Inhalation:

If exposed to vapors due to heating the product, remove to fresh air.

Ingestion:

Ingestion is not a probable route of exposure. Do not induce vomiting unless directed to do so by a physician.

Section 5: Fire-fighting Measures:

Flash Point :

Not applicable

Auto-Ignition :

Not applicable

LEL:

Not applicable

UEL:

Not applicable

Extinguishing Media :

Use of all extinguishing media allowed

Special Fire Fighting Procedures :

Use approved self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards :

Under fire conditions polymers and substances decompose. The emission of carbon dioxide (CO₂), carbonmonoxide (CO), nitrogen-gas (N₂), nitrogenoxide (NO_x) and water (H₂O) is expected. The smoke may contain other unidentified toxic/ or irritating compounds.

Section 6: Accidental Release Measures

Collect the spillage in disposal containers.

Section 7: Handling and Storage

Follow standard personal hygiene and housekeeping practices for an industrial environment
The product should be protected against direct sunlight and extremes in temperature and humidity.
Store under normal conditions of temperature (15 to 30°C) and humidity (40 to 75 % R.H.) in its original packaging in a well-ventilated room, to avoid deterioration, deformation and contamination. Once removed from its packaging, it should be protected against dust and other impurities. Do not over stack the product, as this may cause deformation.

Section 8: Exposure Controls/Personal Protection:

Details:

No eating, drinking or smoking during use.

Respiratory Protection :

The product is an article. There are no dangerous emissions expected during the normal conditions of use. To wear respiratory protection is not mandatory.

Ventilation

The product is an article. There are no dangerous emissions expected in the normal conditions of use. Make always sure that the working area is well ventilated (active or passive).

Protective Equipment :

There is no risk for skin contamination during normal use of the product. To wear special protective equipment is not mandatory.

Personnel Sampling Procedure :

There are no dangerous emissions expected during the normal conditions of use.

Section 9: Physical and Chemical Properties

Physical state (20°C) : solid material.
Solubility in water : insoluble.

Section 10: Stability and Reactivity

Stability:

Stable at normal circumstances.

Avoid:

Not applicable

Incompatibility :

Not applicable

Hazardous Decomposition of By -products

Overheating may liberate volatile compound (see section 5).

Polymerization :

Not applicable

Avoid:

Not applicable

Section 11: Toxicological Information

Inhalation	Skin-contact	Eye-contact
No information available	No information available	No information available

Section 12: Ecological Information

Ecotoxicity :

There is no indication that this material is a risk to the environment

Environmental Fate :

There is no indication that this material is a risk to the environment

Section 13: Disposal Considerations

The product has to be destroyed according to national and local legislations

Section 14: Transport Information

European Community

No special precautions have to be met, as this product is not classified under shipping regulations for dangerous goods

Section 15: Regulatory Information

Symbols:

R-Phrases:

S-Phrases:

European Regulation :

According to the European Directives 67/548/EEC and 1999/45/EC, this preparation is classified as a not dangerous preparation.

Section 16: Other Information

We believe all information in this form is accurate and is offered in good faith , but without guarantee since conditions of use and suitability of the product concerned herein are beyond our control , all risks of use are assumed by the user . We therefore expressly disclaim all warranties of every kind and nature in respect of the use or suitability of the product covered in this form .

Nitto Europe NV denies all responsibility for loss or damage resulting from the use of these data .

Document Revision History:

Revision: 3

Date Created: 18/11/2005

Last Approval Date: 06/02/2008

Date of Last Revision: 19/02/2009

Document Author :

Amy Aerts

Document Manager :

Marc Konings

Reason for Change:

Revision:	Sec/Para Changed:	Change Made	Date:
1	N/A	Initial Issue of Document	18/11/2005
2	2A, 10	Updated	18/11/2005
3		Update	05/02/2008
4		REACH-update	19/02/2009

Approvals:

First Approver's Signature

Name: Paul Partoens

Title: Safety & Environment Manager

Document History Section

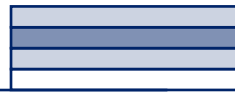
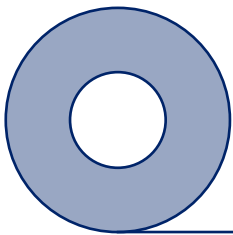
Product: **5790 series**

Product group: **Bonding & Joining**

General description

Nitto 5790-series is a double coated foam tape - based on a cross linked polyolefine foam - coated with pressure sensitive adhesive, having excellent bonding properties, especially on low energy surfaces. The tape absorbs irregularities of the surfaces it has to connect.

Construction



- Modified acrylic adhesive
- Polyolefine foam
- Modified acrylic adhesive
- Release liner: siliconised paper

Characteristics

Nitto 5790-series is a double-coated foam tape with excellent adhesion properties on a wide range of materials such as extruded or moulded plastic parts out of PP, ABS, PA, ea, (lacquered) steel and glass. The flexible foam carrier conforms easy to the irregularities of the substrate and provides an very good impact resistance, sound dampening, thermal and water insulation useful for both interior and exterior applications in various markets.

Application

Nitto 5790-series is designed for bonding (lacquered) metal sheets, nameplates, glass parts and a wide range of plastics to several substrates where irregularities in design and shock-impact absorption is required.

AUTOMOTIVE - emblem & trim mounting.

BUILDING & CONSTRUCTION - wall construction as well as ceramic tile lamination to plaster board.

COMMUNICATIONS EQUIPMENT - for lens fixation and battery pack.

Features

- excellent holding properties
- excellent repulsion resistance
- good shock absorbance
- adhesion on a wide range of materials (especially on polyolefine)
- absorb irregularities of the substrate
- excellent impact sound insulation properties
- good thermal insulation properties

Technical Properties

General physical properties

		Test method
Adhesive type	Modified acrylic	
Tape thickness*	0.6, 0.9 or 1.1 mm	NITTO 01B
Release liner type / colour	Siliconised paper / tan	
Release liner thickness / weight	0.1 mm / 120 g/m ²	NITTO 01G
Carrier type / density	Crosslinked polyolefine foam / high density	
Carrier color	Antracite	
Carrier thickness	0.5, 0.8 or 1.0 mm	
Water absorption (7days)	< 1% vol	
Unwind force	30 cN/50 mm	NITTO 35A
Release value	60 cN/50 mm	NITTO 36A
Adhesion to stainless steel	1700 cN/20 mm	NITTO 15A
Creep on BA-steel	0.5 mm	NITTO 62A
Compression strength (25%)	160 kPa	
Temperature resistance**	+ 120 °C / - 40 °C	

* tape thickness = total tape thickness without liner

** In applied conditions the temperature resistance ranges between +120 and -40 °C in a static application.

Performance properties

Creep at different temperature on BA-steel		
20 °C	40 °C	90 °C
0.5 mm	1 mm	1 mm
WAPO		(test method NITTO 4084)
PP	15 mm	
BA steel	1 mm	

Application guidelines

- The surface to be bonded must be clean i.e. free of dust, release agents, processing oils and grease.
- The temperature of the application should not be below the dew point of the surrounding air. The warmer the tape the better the adhesive will wet out and consequently the higher the immediate adhesion will be.
- To ensure optimal anchorage of the tape to the foam attention should be paid to the lamination pressure, temperature and time.

If you require additional information on technical properties and application as well as product sampling or testing, please contact your local Nitto Europe sales office.

General conditions of use and precautions:

The properties of the product might be adversely affected by various elements such as composition, condition and surface of and impurities in or on the substrate, temperature and humidity during storage, the surrounding environment at and after application and time of exterior use. When the product is used in combination with another material or process, the user shall assure the compatibility of the product in such combination and whether this combination results in the expected performance. The same principle applies in the event of product use in extreme conditions or circumstances, whether at or after the moment of application, including extended exposure to sunlight or extreme temperatures and pressure.

Packaging, transport and storage:

During transport and storage the product should always be protected against direct sunlight and extremes in temperature and humidity and contained in its original packaging. Once removed from its packaging, it should be promptly applied and remain shielded from direct sunlight and extreme temperature as well as protected against dust and other impurities.

Liability:

Except for its wilful misconduct, Nitto Europe's liability shall be limited to a replacement, a reimbursement or an additional delivery of the product, and shall not exceed the purchase price of the products. In no event shall Nitto be liable in respect of any indirect or consequential damages, including loss of profits. The above limitations of liability shall equally apply if Nitto Europe has assisted in any manner with the selection, treatment or application of the product.

Product information:

This datasheet provides a general description of the product properties and application scope. Full technical details in connection with this product are presented in the customer product specification, which is available upon request.

The information reflected in this datasheet is subject to change and the product described herein may be modified or discontinued without notice.

Edition: November 2008
Code: DS/08.01/E4 5790 series ENG

Nitto Europe NV has obtained following certificates:

- ISO 9001
 - ISO 14001
 - ISO/TS 16949
- Please check our website for applicable scope



Certification

Awarded to

NITTO EUROPE N.V.

IP Zuid - Zone 12A, Eikelaarstraat 22 - 3600 GENK, Belgium

BVQI certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standard detailed below

STANDARD

ISO 14001:2004

SCOPE OF SUPPLY

Design, development, manufacture and distribution of adhesive tapes for industrial use and the conversion of rubbers, plastics and resins.

Original Approval Date: 11/06/2003

Subject to the continued satisfactory operation of the organisation's Management System, this certificate is valid until: 02/06/2009

*To check the validity of this certificate please call: +32 (0)2 520 20 90
Further clarification regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation*

Certificate number: BXL06000553

Approval date: 24/08/2006


R.D. Blommaert - Managing Director

Managing office: Boulevard Paepsemiaan 22 - B-1070 Brussels, Belgium
Issuing office: Boulevard Paepsemiaan 22 - B-1070 Brussels, Belgium



031 EMS





001 QS

AIB-VINÇOTTE International Ltd

Brussels, Belgium

Quality Management System Certificate

EN ISO 9001 : 2000

This is to certify that **Nitto Europe n.v. – SBU Tape**

located at **Eikelaarstraat 22
3600 Genk (Belgium)**

has established and is maintaining a quality system which is in accordance with the requirements of EN ISO 9001 : 2000 "Quality Management System" for :

The design, development, manufacturing and distribution of adhesive tape for industrial use and the conversion of rubber, plastics and resins.

Further clarifications regarding the scope of this certificate and the applicability of EN ISO 9001 : 2000 requirements may be obtained by consulting the organization

This certificate is based on the result of a quality audit, documented in the audit report no. 60158701.

This certificate is granted subject to AIB-VINÇOTTE International's General Regulations.

Certificate number : 06 2861

Date of issue : November 6, 2006

This certificate expires on : November 5, 2009

Signed for the certification body :

ir. P. OLIKIER

Chairman Certification Committee





02-IAO-QMC-01017

AIB-VINÇOTTE International Ltd.

Brussels, Belgium

Quality Management System Certificate

ISO/TS 16949 : 2002

This is to certify that

NITTO EUROPE NV – SBU AUTOMOTIVE

located at

**Eikelaarstraat 22
3600 Genk**

has established and is maintaining a Quality Management System which is in accordance with the requirements of ISO/TS 16949 : 2002 and having been audited in accordance with the "Rules for the registration scheme for ISO/TS 16949 : 2002 – Second edition" for :

The Design, Development and Manufacturing of Sealing, NVH (Noise Vibration Harshness) and Venting products for the Automotive Industry.

This Certificate is based on the result of an audit documented in report no. 60224084.

This Certificate is granted subject to AIB-VINÇOTTE International's General Regulations on Management Systems Certification.

Certificate number : 05 2584aR1

IATF Certificate number : 0076784

Date of issue : January 12, 2009

This certificate expires on : November 27, 2011

Signed for the certification body :

ir. P. OLIVIER

Chairman Certification Committee

