



BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification		Document ID BPD_1.0_HIT-1
Product name Hilti HIT-1	Product no/ID designation 2169939	Product group Chemical anchor
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	In the case of a revised declaration	
	Has the product been changed? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	The change relates to Changed product can be identified by
Drawn up/revised on (date) 21.04.2017		Inspected without revision on (date)
Other information:		

2 Supplier information

Company name Hilti Svenska AB		Company reg. no/DUNS no 556064-73-48	
Address Box 123 232 22 Arlöv		Contact person André Rydberg	
Website: www.hilti.se		Telephone 040 539300	
Does the company have an environmental management system?		<input checked="" 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 type="checkbox"/> Other	If "other", please specify:
Other information:			

3 Product information

Country of final manufacture Germany	If country cannot be stated, please state why		
Area of use	Chemical injection system for fastenings in concrete, solid & hollow masonry.		
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 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Labelling Signal Word: Warning Contains: methacrylates, dibenzoyl peroxide GHS07, GHS09 H317, H319, H400 P280, P262, P305+P351+P338, P302+P352, P337+P313		<input type="checkbox"/> Not relevant
Is the product registered in BASTA?	<input type="checkbox"/> Yes	<input checked="" 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 checked="" type="checkbox"/> No	
Other information:			

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

4 Contents (To add a new green row, select and copy an entire empty row and paste it in)

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)	Classifi- cation	Comments
Component A	1,4-Butanediol dimethacrylate	10-15	2082-81-7	Skin Sens. 1; H317	
	Vinyltoluene	5-10	25013-15-4	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1; H304	
	2,2'-(4-Methyl-phenyl)imino]bis-ethanol	1-3	3077-12-1	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	
	Ethylene dimethacrylate	1-5	97-90-5	STOT SE 3; H335 Skin Sens. 1; H317	
	2-Hydroxypropyl methacrylate	1-5	27813-02-1	Eye Irrit. 2; H319 Skin Sens. 1; H317	
	1,1'-(p-tolyl-imino)dipropan-2-ol	<1	38668-48-3	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	
Component B	Dibenzoyl peroxide	1-15	94-36-0	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400	

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)	Classifi- cation	Comments
Crosslinked filled duromer		100	-	-	

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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 1 kg of reaction resin 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	
				Proportion recycled		
				Material recycled %		
				Energy recycled %		
Residual product		Waste code	Quantity	Material recycled %	Energy recycled %	Comments

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Is there a description of the data accuracy for the manufacturing data?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information:			

6 Distribution of finished product

Does the supplier put into practice a system for returning load carriers for the product?	<input checked="" 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 checked="" type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the supplier affiliated to REPA?	<input type="checkbox"/> Not relevant	<input checked="" 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: cool, dry and dark between 5°C to 25°C
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: base material temp. -5 to +40°C during installation
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 checked="" type="checkbox"/> >50 years	Comments
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 type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Use dust protection during demolition of cured chemical anchor
Other information:				
Cured chemical anchor behaves like concrete base material in terms of dust formation during demolition				

10 Waste management

Is it possible to re-use 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 materials for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Outer packaging (PP, PE) and IFU (paper)

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				can be recycled
Is it possible to recycle energy for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Packaging waste suitable for thermal recycling
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 08 04 09				
Is the supplied product classed as hazardous waste?			<input checked="" type="checkbox"/> Yes	<input 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.				
Enter the waste code for the built in product 17 01 01				
Is the built in product classed as hazardous waste?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other information:				

11 Indoor environment (To add a new green row, select and copy an entire empty row and paste it in)

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 [$\mu\text{g}/\text{m}^2\text{h}$] or [$\text{mg}/\text{m}^3\text{h}$]		Method of measurement	Comments
	4 weeks	26 weeks		
TVOC	< 1 mg/m ³		Chamber method	Method complies to AgBB/DiBt protocol; no 26 weeks measurement required
SVOC	< 0,1 mg/m ³		Chamber method	see TVOC
Formaldehyde	< 120 $\mu\text{g}/\text{m}^3$		Chamber method	see TVOC
Can the product itself give rise to any noise?		<input checked="" 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 checked="" 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 checked="" type="checkbox"/> Not relevant		<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit	Method of measurement		
Other information:				

References

Appendices