

## Bygghvarubedömningen's guideline and information requirements for assessment of product, Version 2016-1.

These guidelines describe what information that Bygghvarubedömningen requires for assessment of articles and chemical products. Information about the article or chemical product can be provided in this document, alternatively refer to another documentation in which the corresponding information is given.

### 1. Product information

Product name:	VSH Xpress Carbon							
Article No.:	1552123	1554368	1552077	1551655	1551734	1551845	1552128	1552617
Specify the type of number, for example RSK, E number, EAN, GTIN or supplier's article number. This should also be stated on the application.	1552124	1554369	1552087	1551656	1551735	1551846	1552129	1552618
	1552699	1554370	1552088	1551657	1551737	1551929	1552130	1552619
	1552738	1554371	1552089	1551658	1551738	1551930	1552131	1552631
	1552739	1554372	1552090	1551660	1551739	1551931	1552132	1552632
	1552740	1554373	1552091	1551661	1551740	1551932	1552133	1552633
	1551682	1554374	1552092	1551663	1551748	1551933	1552134	1552634
	1551683	1554375	1552093	1551664	1551749	1551977	1552135	1552635
	1551684	1554376	1552094	1551666	1551750	1551978	1552136	1552636
	1551817	1554377	1552095	1551669	1551751	1551979	1552145	1552694
	1551820	1554378	1552096	1551670	1551752	1551980	1552146	1552695
	1551848	1554379	1546891	1551671	1551753	1551981	1552147	1552696
	1552065	1554380	1550777	1551672	1551754	1551982	1552148	1552697
	1552074	1554385	1550778	1551674	1551755	1551995	1552149	1552698
	1552075	1554388	1550779	1551675	1551782	1551996	1552168	1552708
	1552081	1554389	1551600	1551676	1551784	1551997	1552169	1552713
	1552099	1554553	1551605	1551678	1551785	1551998	1552170	1552717
	1552197	1554554	1551606	1551681	1551787	1551999	1552171	1552719
	1552198	1554555	1551607	1551685	1551788	1552000	1552172	1552720
	1552264	1554556	1551608	1551687	1551789	1552001	1552173	1552721
	1552265	1554617	1551609	1551698	1551791	1552002	1552174	1552722
	1552266	1554618	1551610	1551699	1551792	1552003	1552175	1552732
	1552267	1554619	1551611	1551700	1551793	1552004	1552176	1552733
	1552268	1554620	1551612	1551701	1551795	1552005	1552177	1552734
	1552270	1554621	1551613	1551702	1551796	1552006	1552178	1552735
	1552279	1554622	1551614	1551703	1551798	1552007	1552179	1552736
	1552692	1554623	1551615	1551704	1551799	1552008	1552180	1552737
	1552693	1554624	1551616	1551705	1551809	1552009	1552181	1554381
	1552703	1554625	1551617	1551706	1551810	1552013	1552182	1554382
	1552704	1554626	1551618	1551707	1551811	1552014	1552183	1554383
	1552705	1554627	1551619	1551708	1551812	1552015	1552196	1554384
	1552706	1554628	1551620	1551709	1551813	1552060	1552262	1554386
	1552707	1554629	1551621	1551710	1551814	1552061	1552263	1554387
	1552709	1551765	1551622	1551711	1551815	1552062	1552269	1560007
	1552710	1552017	1551623	1551712	1551816	1552063	1552271	1560008
	1552711	1552018	1551624	1551713	1551819	1552064	1552272	
	1552712	1552019	1551625	1551716	1551822	1552066	1552273	
	1552714	1552020	1551643	1551717	1551823	1552082	1552274	
	1552715	1552021	1551644	1551719	1551824	1552083	1552275	
	1552716	1552022	1551645	1551720	1551825	1552084	1552276	
	1552718	1552023	1551646	1551721	1551826	1552085	1552277	
	1554360	1552024	1551647	1551722	1551827	1552086	1552278	
	1554361	1552025	1551648	1551726	1551828	1552097	1552280	
	1554362	1552026	1551649	1551727	1551838	1552098	1552281	
	1554363	1552027	1551650	1551728	1551839	1552100	1552292	
	1554364	1552028	1551651	1551729	1551840	1552109	1552293	
	1554365	1552072	1551652	1551730	1551841	1552125	1552294	
	1554366	1552073	1551653	1551731	1551842	1552126	1552298	
	1554367	1552076	1551654	1551733	1551844	1552127	1552616	

## Product

Product description: <i>On application, please attach a product data sheet or similar documentation.</i>	Press fittings in Carbon	
Type of product:	<input type="checkbox"/> Chemical product	<input checked="" type="checkbox"/> Article
Date (year, month, day) of preparation/revision:	2020-11-03	

## Supplier/Manufacturer

Supplier:	Aalberts integrated piping systems B.V.
Manufacturer if other than the supplier: <i>Voluntary information</i>	Aalberts integrated piping systems B.V. Oude Amersfoortseweg 99 1212 AA Hilversum Nederlanderna
Contact person:	Kaja Koskuba
Address:	Oude Amersfoortseweg 99 1212 AA Hilversum Nederlanderna
E-mail:	<a href="mailto:Kaja.koskuba@aalberts-ips.com">Kaja.koskuba@aalberts-ips.com</a>
Phone number:	+31356884361

## Supporting documentation

Has a declaration of performance, in line with the Swedish Construction Products Regulation, been prepared for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, attach the declaration of performance with the application</i>		
Is the article/product an electronic product and covered by the RoHS-directive (2011/65/EU)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, attach an "EU Declaration of Conformity", or alternatively another certificate that attests that the product corresponds to the requirements according to the RoHS-directive (2011/65/EU), together with the application</i>		
If the article/product is an electronic product that is covered by an exemption according to RoHS-directive (2011/65/EU), specify which exemption and date (year, month, day) when the exemption expires if time-limited:	Exemptions according to RoHS: NA  Date:	

## 2. Declaration of contents:

Specify the total content of the article or the chemical product, **on delivery**, in Table 1, or alternatively attach other documentation that provides the corresponding information. For instructions, please refer to the "Declaration of contents, BVB's declaration requirements, 2016-1", which is found at the end of this document.



**Table 1, Contents of included substances and material (declaration of content in accordance with requirements)**

Included substances and material	EG No./CAS No. (alternatively alloy)	Weight% (of entire product)	When applicable, state for which subcomponent	Weight% (of substance in subcomponent)	Comments (state eventual application of non-harmonized classifications)
Carbon Steel	1.0031	97%			
Zinc plating	8-15 µm	1%			
Rubber O-rings	EPDM	2%			
					<b>Ref. product:</b> <b>Straight 28mm</b> <b>6201393/1551624</b>

Are all substances reported in percentages down to 0.01% in Table 1, alternatively follow the declaration requirements for the level Recommended as described in "Declaration of contents, BVB's declaration requirements, 2016-1, given at the end of this document?" <i>(Enables the assessment Recommended)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If not, does the declaration fulfill the instructions for the level Accepted, as described in "Declaration of contents, BVB's declaration requirements, 2016-1", given at the end of this document?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 1, or alternatively here.	Other comments:	

Is the chemical composition different, for the product when applied (cured product) compared to the content at delivery? (applies to chemical products)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, specify the content of the cured product in Table 2.		

**Table 2, Contents for applied products (full content in accordance with declaration requirements)**

Included substances and material	EG No./CAS No.	Weight% (of the applied product)	Comments (state any application of non-harmonized classifications)
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If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 2, or alternatively here.	Other comments:	
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Does the product or any of its subcomponents contain substances with particularly hazardous properties (Substances of Very High Concern, SVHC-substances), which are included in the Candidate List at a concentration above 0.1 weight%?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, specify which substances in Table 1 together with the rest of the content of the product.		
State the date (year, month, day) for control the Candidate List.	Date:	

The concentration is calculated at component level established on the principle "once a product, always a product".  
The Candidate List is available at: <http://echa.europa.eu/sv/candidate-list-table>.

### Nanomaterial

Does the product contain any nanomaterial that has been purposefully added to achieve a specific function? <i>Information regarding whether nanomaterial has been added to achieve a specific function must be stated, but has no impact on the assessment.</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, specify the material.	Material:	

### 3. Recycled raw material

Does the product contain recycled material?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, specify in Table 3.		

If the product consists of recycled materials specify the material and the percentages of the total weight of the product, in *Table 3, Recycled materials*.

*Table 3, Recycled material*

Material	Percentage (%) <i>Recycled material of the total product's weight</i>	Percentage (%) <i>of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)</i>	Percentage (%) <i>of the recycled material that has reached the consumer level (post-consumer)</i>	Comments
Carbon Steel	20%			

### If wood raw material is included

Can the product be ordered with sustainability certificates for the wood raw material? <i>E.g.: FSC and PEFC</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Explain if the certificate does not cover all of the wood raw material:		
If yes, attach a certificate/assurance that the product can be ordered with a sustainability certificate together with the application.		
If no, state the country where the wood raw material was harvested.	Country of harvest:	
Is the wood species or origin in the CITES appendix for endangered species?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### 4. The production phase

Has an Environmental Product Declaration (EPD) been prepared?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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<i>If yes, enclose the EPD (Environmental Product Declaration) or other environmental product declaration together with the application.</i>		
Has an active choice been made, regarding the electricity supplier, in order to promote electricity production from renewable energy sources?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Yes, International contract on Aalberts level		

## 5. Distribution of the completed product

Describe the management of packaging for the distribution of the product  <i>State whether any system for taking back or recycling packaging or any other specific return system is used.</i>  <i>Specify the packaging material used and which system of producer responsibility for packaging the supplier is affiliated to.</i>  <i>Enter the proportion of recycled material, if any, included in the packaging.</i>	Description of the packaging:  Product delivered in bags and carton boxes. Boxes delivered on re-usable pallets
Other information:	

## 6. Construction and usage phase

Are there any special requirements such as storage conditions etc. for the product during storage?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<i>If yes, describe: The recommended shelf life of fittings and O-rings is 7 years. Exposure to high temperature, moist and direct sunlight should be avoided as this may cause changes in properties. In order to achieve the best results, stock rotation (FIFO) is recommended, as well as storage according to the above mentioned guidelines.</i>			
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<i>If yes, describe:</i>			
Are there any operating/care instructions for the product?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<i>If yes, attach the documentation with the application.</i>			
Is the product energy labelled in accordance with the Energy Labelling Directive (2010/30/EU)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not relevant
<i>If yes, state class (G to A, A+, A++, A+++):</i>	Class:		



## 7. Waste management

Does the product require special measures to protect health and the environment in conjunction with demolition/dismantling?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, describe:</i>		
Is the product covered by the WEEE-directive 2012/19/EU (Swedish ordinance (2014:1075) on Producer Responsibility for electrical and electronic products when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is it possible to re-use all or parts of the product? (can the product be reused within the product's expected lifetime)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, describe:</i>		
Is material recycling possible for all or parts of the product when it becomes waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If yes, describe:</i> Carbon steel can be recycled at all time during life time		
Is energy recycling possible for all or parts of the product when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier have any restrictions and recommendations for reuse, material- or energy recycling or disposal?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify which:</i>		
When the supplied product becomes waste, is it classified as hazardous waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify the waste code:</i> The Swedish waste ordinance (2011:927) <a href="https://www.notisum.se/rnp/sls/lag/20110927.htm">https://www.notisum.se/rnp/sls/lag/20110927.htm</a>	Waste code:	

## 8. Indoor environment

Has the product a critical moisture condition: <i>Information regarding whether critical moisture conditions leading to microbial growth apply for the material/product should be stated, but will not impact the assessment.</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If yes, specify which:</i> Store in dry conditions.		
Is the article (or chemical product) intended for indoor use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If yes, has emission data been produced for volatile organic compounds?</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, attach the report/certificate together with the application.</i>		
<i>If no, is there any motivation for why emission data for volatile organic compounds is not relevant for the product?</i>	Motivation: all materials are stable	

## Certificate of substance content and concentrations version. 4.0

*This certificate is required for the Recommended assessment level for chemical contents. This page should be printed to be signed and uploaded separately in PDF-format in connection with the application.*

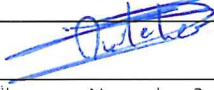
### Certificate of declaration of substance content

For the products specified below, with their stated article numbers, the following is certified: <i>Choose whether to certify alternative A or B.</i>	
<b>A</b> <input type="checkbox"/>	It is hereby certified that concentrations of the included substances <b>down to 0.01 weight%</b> have been reported, and that cadmium and mercury do not occur in the product.  or:  The substances included are reported in line with the instructions for the Declaration of Contents, BVB's reporting requirements 2016-1, and correspond to the reporting requirements for the <b>Recommended</b> level.
<b>B</b> <input type="checkbox"/>	It is hereby certified that concentrations of the included substances <b>down to 0.1 weight%</b> have been reported, and that cadmium and mercury do not occur in the product.  or:  The substances included are reported in line with the instructions for the Declaration of Contents, BVB's reporting requirements 2016-1, and correspond to the reporting requirements for the <b>Accepted</b> level.
For the products specified below, with their stated article numbers, the following is certified: <i>Choose whether to certify alternative C or D.</i>	
<b>C</b> <input checked="" type="checkbox"/>	It is hereby certified that the specified product/s do not contain specifically indicated substances and groups of substances in accordance with Table 4, Specifically indicated substances. These have not been added during production and have not been formed through reactions between the substances in the product.
<b>D</b> <input type="checkbox"/>	Unfortunately, we have to notify that the specified products contain specifically indicated substances in accordance with Table 4, Specifically indicated substances. Some of these substances have been added or been formed during reaction between the substances in the product, please see the Declaration of Contents.

*Table 4, Specifically indicated substances*

Substance group/Substance	Examples of properties
1. Arsenic and its compounds <sup>1</sup>	Toxic, Environmentally hazardous
2. Brominated flame retardants	Potentially PBT/vPvB, PBT/vPvB
3. PFOA (perfluorooctanoic acid)	Persistent, bioaccumulative, probable reproductive toxicity
4. PFOS (perfluorooctanesulfonates)	Potentially PBT/vPvB, PBT/vPvB
5. Organotin compounds	Potentially PBT/vPvB, PBT/vPvB, Toxic, Environmentally hazardous
6. Biocidal product applied on products (surface treatments) to provide a disinfectant or anti-bacterial effect.	Toxic, Environmentally hazardous

<sup>1</sup> Arsenic, or arsenic compounds, are not permitted to be added to the product. Contamination of used raw materials is not permitted to exceed 10 mg/kg. The concentration limit is set based on regulatory requirements for soil quality to ensure that accepted products do not raise background concentrations through their use or disposal (for example; sludge from sewage treatment works Swedish Ordinance 1998:944, Section 20). The same concentration limits are found in the Swedish Environmental Protection Agency's general guidelines for less sensitive land use (MKM).

<i>Product identification: (designation and article number)</i>	VSH XPress Carbon Straight dim 28 Item code 6201393 RSK number 1551624
<i>State the reference document (name and version/date) that contains the actual Declaration of Contents:</i>	
<i>Person responsible for the declaration:</i>	Sjaak Rademaker, a.i. Manager QHSE
<i>Signature:</i>	
<i>Place and date (year, month, day):</i>	Hilversum, November 3rd, 2020



## Declaration of contents, BVB's declaration requirements, 2016-1

A complete declaration of contents in accordance with the instructions should be made for both products and chemical products. For products, concentrations have to be reported as a weight% for the entire product as minimum. The contents can be provided in other documentation, if the reporting instructions are complied with, or alternatively supplemented so that they are in compliance. Reporting requirements for the Accepted level correspond to the requirements for "e-BVD2015".

For the Accepted and Recommended levels, classified substances are needed to be reported in the documentation if concentrations exceed limits (weight%) in accordance with *Table 5, Classified substances*. Those substances that are not included in Table 5 must be reported when concentrations of  $\geq 2\%$  occur.

Material and substance contains can be provided in intervals. Examples of accepted intervals are:  $\leq 1\%$ , 1-2.5%, 2.5-10%, 10-25%, 25-50%, 50-75%, 75-100%. In occasion of large intervals, state the reason for the variance and describe what materials/substances increase or decrease in proportion if the product, for example, comes in different sizes.

If classification is applied that is not covered by harmonized classification, this information requires to be reported in the comments column for that substance.

*Table 5, Classified substances*

Hazard class	Reporting limit	
	Accepted	Recommended
Carcinogenic categories 1A and 1B (H350)	$\geq 0.1\%$	$\geq 0.01\%$
Carcinogenic category 2 (H351)	$\geq 1\%$	$\geq 0.1\%$
Mutagenic categories 1A and 1B (H340)	$\geq 0.1\%$	$\geq 0.01\%$
Mutagenic category 2 (H341)	$\geq 1\%$	$\geq 0.1\%$
Reproductive toxicity, categories 1A and 1B (H360)	$\geq 0.3\%$	$\geq 0.03\%$
Reproductive toxicity, category 2 (H361)	$\geq 2\%$	$\geq 0.3\%$
Reproductive toxicity effects on or through breastfeeding (H362)	$\geq 0.3\%$	$\geq 0.03\%$
Endocrine disruptors <sup>1, 2</sup>	$\geq 0.1\%$	$\geq 0.01\%$
PBT and/or vPvB <sup>3</sup>	$\geq 0.1\%$	$\geq 0.01\%$
Skin sensitizers (H317)	$\geq 1\%$	$\geq 0.1\%$
Respiratory sensitizers (H334)	$\geq 0.2\%$	$\geq 0.02\%$
Hazardous to aquatic environments, chronic category 1 (H410)	$\geq 2\%$	$\geq 0.25\%$
Ozone depleting substances (EUH 059 and H420)	$\geq 0.1\%$	$\geq 0.01\%$
Acute toxicity category 1 (H300, H310, H330, H301, H311 and/or H331)	$\geq 0.1\%$	$\geq 0.01\%$
Acute toxicity category 2 (H300, H310, H330, H301, H311 and/or H331)	$\geq 1\%$	$\geq 0.1\%$
Acute toxicity category 3 (H300, H310, H330, H301, H311 and/or H331)	$\geq 2\%$	$\geq 1\%$
Pure or compounds of cadmium (Cd)	$\geq 0.01\%$	$\geq 0.001\%$
Pure or compounds of lead (Pb)	$\geq 0.1\%$	$\geq 0.01\%$
Pure or compounds of mercury (Hg)	Contamination $\geq 2.5$ mg/kg (ppm) of active additives must always be reported.	
<sup>1</sup> Endocrine disruptors (EDS list)	$\geq 0.1\%$	$\geq 0.01\%$
<sup>2</sup> Endocrine disruptors (SIN list)		$\geq 0.01\%$
<sup>3</sup> PBT, vPvB (SIN list)	$\geq 0.1\%$	$\geq 0.01\%$
Candidate List	$\geq 0.1\%^*$	$\geq 0.01\%$
Other classifications or unclassified substances and material	$\geq 2\%$	$\geq 2\%$

\*Substances on the Candidate List have to be reported at component level.

## Descriptions of material

Substances should be reported with their CAS- or EC number. Exemptions for certain material can be performed in accordance with the following instructions.

Metals should always be reported together with their alloy number. Alternatively, substances comprising more than 0.01% of the alloy has to be specified in the documentation.

Plastics and rubber materials should be reported together with their name so that it is clearly which monomers that are included, for example, acrylonitrile butadiene styrene (ABS), polyethylene (PE), etc. Additives that have not formed polymers should always be reported in accordance with requirements specified above (for example pigments, plasticizers, stabilizers, etc.).

Plastics/polymers with descriptions in line with the following list are accepted without specification of monomers.

- Polycarbonate (pertains to bisphenol A based polycarbonates)
- Polyester (monomers must be specified for halogenated polyesters)
- Polyurethane (monomers must be specified for halogenated polyurethanes)
- Fiberglass reinforced epoxy resin laminates FR4 (pertains to tetrabromobisphenol A based polymers)
- MS-polymer (refers to silane modified polyether)

**Note that if the plastic/polymer contains additives (such as pigments, plasticizers, stabilizers, etc.), they shall always be reported in accordance with the declaration requirements.**

Other materials with the following descriptions are accepted without clarification or detailed description of their components as the materials normally consist of:

- Glass (any content of lead needs to be reported for the assessment level recommended, e.g. relevant for recycled glass)
- Concrete (polymers included in the concrete are reported separately)

Examples of designations of plastics/polymers and other material descriptions that require further clarification are:

- Polymer dispersion
- Copolymer
- Thermoplastic elastomers (TPE)
- Thermoplastics
- MS polymers
- Mineral fillers
- Silanes: The type of polymer needs to be given, e.g. if it refers to a silane/silyl modified polyether or polyurethane.
- PVC: for contents above 2%, plasticizers always needs to be given with CAS no. Concentration of plasticizers below 2%, needs to be declared according to declaration requirements specified in Table 5. If no plasticizer is declared, the reason for that needs to be given.
- EPDM and SBR rubber: for levels above 2%, mineral/paraffin oil always needs to be given with CAS no. As an alternative, the maximal PAH content in the material can be given. For products intended to be used in contact with skin, the maximum content of PAH content shall be reported.
- The PAH content in the material needs to be reported for the assessment level recommended when asphalt/bitumen is present above 10% in the product.

For complex products, references to subcomponents which are assessed in BVB's systems with a specified BVB ID, can be used.