

**Product: REHAU RAUPIANO PLUS**

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

*These guidelines describe what information that Byggarubedömningen 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

Product name:	REHAU RAUPIANO PLUS, pipes and fittings	
Article No.: <i>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.</i>	see attachment	
Product description: <i>On application, please attach a product data sheet or similar documentation.</i>	Pipe system for wastewater removal in the building, made of heavily filled polypropylene with noise reduction property.  BSAB code: PNU.5223 / BK04 code:20509	
Type of product:	<input type="checkbox"/> Chemical product	<input checked="" type="checkbox"/> Article
Date (year, month, day) of preparation/revision:	2017-05-05 Rev. C	

#### Supplier/Manufacturer

Supplier:	REHAU AB	
Manufacturer if other than the supplier: <i>Voluntary information</i>	not applicable	
Contact person:	Sales Office Örebro	
Address:	Box 1202, 70112 Örebro	
E-mail:	info-orebro@rehau.com	
Phone number:	+4619-206400	

#### 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:  Date: not applicable	

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**2. Declaration of contents:**

Does the product or any of its subcomponents, if it is a composite product, 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
<i>If yes, specify which substances in Table 1.</i>		
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: <a href="http://echa.europa.eu/sv/candidate-list-table">http://echa.europa.eu/sv/candidate-list-table</a> .		

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)
polypropylene (PP)	9003-07-0	30 – 40 %			exact quantity varying over different sizes of pipes and fittings
mineral filler - barium sulfate (barite) - calcium carbonate (chalk)		60 – 70 %			
rubber sealing ring - styrene-butadiene-rubber (SBR)		≈ 3 %			

Are all substances reported in percentages down to 0.01% in Table 1? (enable assessment with regard to the Recommended level)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If not</i> , does the report fulfill the instructions for the Accepted level, which is described in "Declaration of contents, BVB's declaration requirements, 2016-1", which is found at the end of this document	<input checked="" 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: none	

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)
not applicable			
If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 2, or alternatively	Other comments:		

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here.	
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**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
<i>If yes, specify the material.</i>	Material:	

**3. Recycled raw material**

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

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 (%) of the total product's weight	Percentage (%) of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)	Percentage (%) of the recycled material that has reached the consumer level (post-consumer)	Comments
not applicable				

**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:		
<i>If yes, attach a certificate/assurance that the product can be ordered with a sustainability certificate together with the application.</i>		
<i>If no, state the country where the wood raw material was harvested.</i>	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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<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 type="checkbox"/> Yes	<input type="checkbox"/> No
Describe the type of energy source, percentage of energy stemming from the renewable source, how long the agreement has been applied, electricity supplier, and for which part of the production it is valid for:  As far REHAU production is concerned, all energy comes from renewable source with Guarantee of Origin. Further information is not available.		

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**5. Distribution of the completed product**

<p>Describe the management of packaging for the distribution of the product</p> <p><i>State whether any system for taking back or recycling packaging or any other specific return system is used.</i></p> <p><i>Specify the packaging material used and which system of producer responsibility for packaging the supplier is affiliated to.</i></p> <p><i>Enter the proportion of recycled material, if any, included in the packaging.</i></p>	<p>Description of the packaging:</p> <ul style="list-style-type: none"> <li>- products are packed in wooden frame crates (light weight packaging made of wood, steel straps, nails, foil) or cardboard boxes</li> <li>- packaging is for single use</li> <li>- cardboard boxes in parts consist of recycled paper, proportion is not known</li> <li>- packaging can be completely recycled or can be energy recovered</li> </ul>
<p>Other information:</p> <p>REHAU AB is affiliated with FTI collection of packaging material.</p>	

**6. Construction and usage phase**

<p>Are there any special requirements such as storage conditions etc. for the product during storage?</p>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<p><i>If yes, describe:</i> E.g. protect from UV radiation from sunlight; keep cardboard boxes dry. Detailed information can be taken from the REHAU Technical Information.</p>			
<p>Are there any special requirements for adjacent building products because of this product?</p>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<p><i>If yes, describe:</i></p>			
<p>Are there any operating/care instructions for the product?</p>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<p><i>If yes, attach the documentation with the application.</i></p>			
<p>Is the product energy labelled in accordance with the Energy Labelling Directive (2010/30/EU)?</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not relevant
<p><i>If yes, state class (G to A, A+, A++, A+++):</i></p>	<p>Class:</p>		

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**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> Polypropylene pipe and fitting material can be fully recycled mechanically and then be used for the production of the same or other products.		
Is energy recycling possible for all or parts of the product when it becomes waste?	<input checked="" type="checkbox"/> Yes	<input 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify which:</i>		
Is the article (or chemical product) intended for indoor use?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, has emission data been produced for volatile organic compounds?</i>	<input type="checkbox"/> Yes	<input 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:	