



technical sheet

CERTIFICATION OF

**BASE MATERIALS FOR ROAD MARKING**

BENOR

This technical data sheet was printed on 23/08/2023.  
The validity of this technical data sheet can be checked on  
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TECHNICAL DATA SHEET		
QUICK CODE	VERSION	VALIDITY
<b>0489/1001</b>	<b>7.0 - 22/08/2023</b>	<b>CERTIFIED</b>
CERTIFICATE HOLDER	PRODUCTION UNIT	CERTIFICATE NUMBER
SWARCO VESTGLAS Rumplerstrasse 12 D-45659 Recklinghausen +49 23 61 60 94 26	SWARCO VESTGLAS Rumplerstrasse 12 D-45659 Recklinghausen +49 23 61 60 94 26	BENOR 489/84 Base materials for road marking

PRODUCT	
OFFICIAL NAME	COMMERCIAL NAME
<b>EUROTHERM HPX 5</b>	<b>EUROTHERM HPX 5</b>
CAPTION ON THE PRODUCT	
<ul style="list-style-type: none"> <li>* BENOR 489/84</li> <li>* the name of the product</li> <li>* the purpose of the product</li> <li>* the name and the address of the supplier or manufacturer (or the industrial trademark)</li> <li>* the size and the shape of the product</li> <li>* the method of application (application material)</li> <li>* statements regarding the conditions for storage and the period of storage</li> <li>* the practical processing duration and the hardening time in function of the atmospheric conditions</li> </ul>	
APPLICATION	
<div style="display: flex; justify-content: space-around;"> <span><input type="checkbox"/> PTV 888 (1.0)</span> <span><input checked="" type="checkbox"/> EN 1790 (2013)</span> </div> <div style="display: flex; justify-content: space-around;"> <span><input checked="" type="checkbox"/> PTV 888 (3.0)</span> </div> <p style="text-align: center;">This product was not checked according to the crossed-out reference documents or does not comply with them.</p> <p>Use:</p>	

EXPLANATIONS (THIS DOES NOT COME UNDER SUPERVISION IN THE CONTEXT OF BENOR CERTIFICATION)
ATTENTION POINTS - TO BE CHECKED BY CUSTOMER (NOT LIMITED)
<ul style="list-style-type: none"> <li>* During the application, the instructions of the manufacturer have to be taken into account.</li> <li>* At least one attestation of fitness for use, based on the guide G0025 has been delivered where this thermoplastic is the base road material from the described assembly: see concerned ATG M and point "technical drawing" in this technical data sheet.</li> </ul>
FORM OF DELIVERY
flat cardboard boxes
EXTRA INFORMATION

**Contact at**

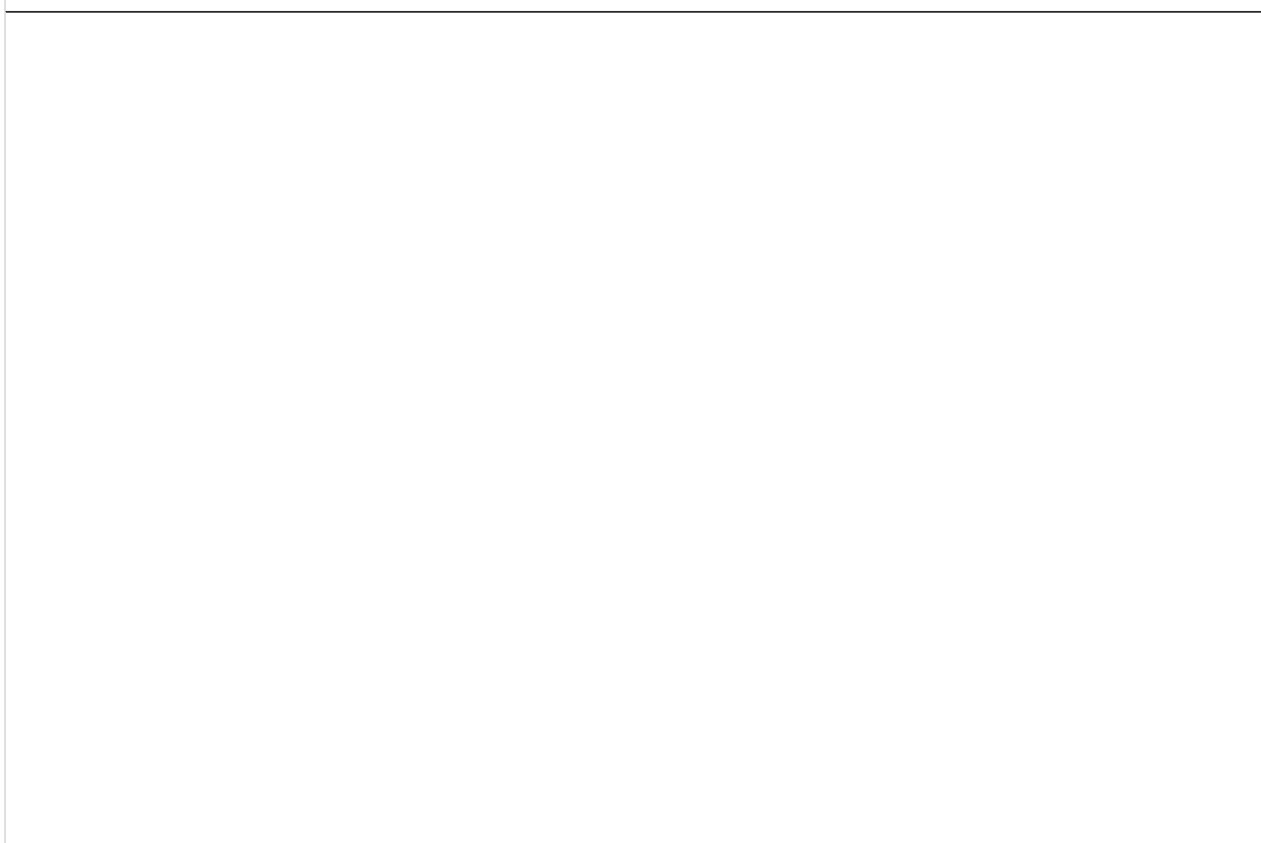
\* **COPRO:** Koen Van Daele +32 2 468 00 95 koen.vandaele@copro.eu  
 \* **Certificate holder:** Markus Bretscher +49 23 61 60 94 26 markus.bretscher@swarco.com

## PRODUCT CHARACTERISTICS

PROPERTIES EN 1790	ACCORDING TO	UNIT	VALUE	MIN	MAX
Chromaticity coordinates and luminance factor	EN 1871		-	-	-
<i>Chromaticity coordinates</i>	EN 1871	-	Table 1b	-	-
<i>Luminance factor</i>	EN 1871	-	-	0,80	-
Softening point	EN 1871	°C	-	80	-
Cold impact resistance at 0 °C ball a	EN 1871	-	-	6 (Cl1)	-
Durability of the sytem: road trials	G0025		-	P5 Q2 R2 S1	-
IDENTIFICATION REQUIREMENTS	ACCORDING TO	UNIT	VALUE	MIN	MAX
% Organic material in the "Passing 90 µm material"	PTV 888	%	(**)	(**)	(**)
% TiO2 in the "Passing 90 µm material"	PTV 888	%	(**)	(**)	(**)
Identification of the organic content	EN 12802	-	(**)	(**)	(**)
Identification of the inorganic content	EN 12802	-	(**)	(**)	(**)
Ash content at 900 °C	EN 1790	%	(**)	(**)	(**)
Total mass per unit area	EN ISO 2286-2	kg/m <sup>2</sup>	(**)	(**)	(**)

(\*\*) These values are listed on the full datasheet that may be obtainable from the certificate holder.

## TECHNICAL DRAWING



<b>Attestation of fitness for use</b> <b>Attestation de l'aptitude à l'emploi</b> <b>Gebruiksgeschiktheidsattest</b>			
		<b>ROAD TRIALS</b> <b>HOMOLOGATION SUR ROUTE</b> <b>PROEFVAKKEN</b>	
		<b>Attestation n°</b> <b>Attest n°</b>	<b>ATG 12/M111</b>
<b>Description of the assembly</b> <b>Description du système</b> <b>Beschrijving van het systeem</b>			
<b>Used products</b> <b>Produits utilisés</b> <b>Gebruikte producten</b>		<b>BENOR EXTRANET</b> <b>Code technical data sheet</b> <b>Code de la fiche technique</b> <b>Code technische fiche</b>	<b>Nominal dosage</b> <b>Dosage nominal</b> <b>Nominale dosering</b>
<b>Thermoplastic</b> <b>Enduit à chaud</b> <b>Thermoplast</b>	<b>Eurotherm HPX 5</b>	<b>0489/1001</b>	<b>5,55 kg/m<sup>2</sup></b>
<b>Drop on material:</b> <b>Produit de saupoudrage</b> <b>Nastrooiproduct</b>	<b>600-125 G BE T14</b>	<b>0489/0004</b>	<b>250 g/m<sup>2</sup></b>
<b>Application:</b> <b>Toepassing :</b>	<b>Manual with heater</b> <b>Manuelle au brûleur</b> <b>Manueel met gasbrander</b>		
<b>Performance classe(s) of the assembly:</b> <b>Classes de performance du système:</b> <b>Prestatieklassen van het systeem:</b>		<b>P6 R4 Q4 S2</b>	
<b>Description of the performance classes:</b> <b>Description des classes de performance:</b> <b>Beschrijving van de prestatieklassen:</b>		<b>see concerned attestation ATG/M.</b> <b>voir ATG/M concerné.</b> <b>zie betrokken attest ATG/M.</b>	

**ATTESTATION**

The BENOR certification of the product states that there is, on the basis of a periodic external supervision, a sufficient degree of confidence that the certificate holder is in a position to continuously guarantee the conformity of the product as specified in the reference documents and TRA 84 (3.0). This datasheet contains the performance characteristics specified by the manufacturer. The datasheet is verified by the certification body. The certificate holder declares that the product supplier/delivered by it conforms to the datasheet as set out on the delivery note.

By making it available digitally, the producer declares that he agrees with this sheet

**Name:** Markus Bretscher  
**Date:** 22/08/2023

**Name:** Koen Van Daele

**Date:** 22/08/2023

**Signature:**



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Zellik