



KOMO®  
Process certificate  
K12540/05



Issued 2020-10-15 Replaces K12540/04  
Valid until Indefinite Dated 2017-05-01  
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Processing of synthetic membranes

## Genap B.V.

### STATEMENT BY KIWA

This process certificate is issued on the basis of BRL 1149 "Processing of synthetic membranes" issued on June 21, 2019 by Kiwa, in accordance with the Kiwa Regulations for Product Certification.

Kiwa declares that there is justified trust that the activities performed by the certificate holder satisfy at continuation to the process specifications, as specified in this process certificate if in the contract with the constituent it has been mentioned that the activities are performed in accordance with this process certificate and that the final results satisfies to the required performances, as specified in the BRL.

Ron Scheepers  
Kiwa

02/2006  
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*The certificate is listed in the overview on the website of Stichting KOMO: [www.komo.nl](http://www.komo.nl).  
Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid*

**Kiwa Nederland B.V.**  
Sir Winston Churchillaan 273  
Postbus 70  
2280 AB RIJSWIJK  
Tel. 088 998 44 00  
Fax 088 998 44 20  
[info@kiwa.nl](mailto:info@kiwa.nl)  
[www.kiwa.nl](http://www.kiwa.nl)

**Certificate holder**  
Genap B.V.  
Goorsestraat 1  
7041 GA 's-Heerenberg  
Postbus 27  
7040 AA 's-Heerenberg  
T +31(0)314 66 16 44  
F +31(0)314 66 21 37  
E [genap@genap.nl](mailto:genap@genap.nl)  
L [www.genap.nl](http://www.genap.nl)



**Evaluated is:**

- quality system
  - process
  - end result
- periodic inspection

Processing of synthetic membranes

**TECHNICAL SPECIFICATION**

**General description of the process**

The process concerns the processing of synthetic membranes by the entrepreneur according Assessment Guideline K1149.

**PROCESS SPECIFICATION**

**THE FOLLOWING APPLICATION AND/OR APPLICATIONS SHALL APPLY**

Type of geomembrane <sup>(1)</sup>	Application <sup>(2)</sup>	Welding method	Type of junction	Prefabrication in factory	Fabrication on site
PE-HD, unreinforced	1-5,7,9,10 12-15, 19	hot element (double wedge welding)	long	yes	yes
		extrusion welding	detail	yes	yes
PE-LD and modified PE, unreinforced	1-5,7,9,10 12-15, 19	hot element (double wedge welding)	long	yes	yes
		hot element (single wedge welding)	long	yes	no
		extrusion welding, hot air weld	detail	yes	yes
PVC-P, unreinforced	1-5,7,9,10 12-15, 19	hot element (double/single wedge welding)	long	yes	yes
		hot element (single belt welding)	long	yes	no
		HF High Frequency welding	long, detail	yes	no
		hot air weld	detail	yes	yes
PVC-P, reinforced	1-5,7,9,10 12-15, 19	hot element (single wedge welding)	long	yes	yes
		hot air weld	detail	yes	yes

(1) Membranes or membrane materials can be of restricted use for a given field of application or for a given application. It is advised to assess, per project and application, which combination of membrane-type(s), membrane-thickness(es) and welding-method(s) is the most suitable.

**Explanation of fields of application and/or applications <sup>(2)</sup>**

**Construction:**

- 1 - Fluid-barrier constructions;
- 2 - Fluid-containment constructions.

**Manure storage:**

- 3 - Top covers ;
- 4 - Manure basin lining;
- 5 - Manure-silo-internal barrier;
- 6 - Manure storage bags.

**Environmental protection:**

- 7 - Landfill containment in general;
- 8 - Storages for residual substances;
- 9 - Storages for chemicals, mineral oils and other potentially polluting substances;
- 10 - Protection of the environment against potentially polluting substances (industrial premises, business area, workshops, petrol stations, industrial installations);
- 11 - A protection of the environment against the effects of spilling and other polluting risks during calamities;
- 12 - Separation of solid and fluid raw materials or products;
- 13 - Protection of industrial installations against erosion and corrosion.

**Civil engineering:**

- 14 - Storage of and barrier against water;
- 15 - Watertight barrier constructions in general;
- 16 - Stabilizing constructions;
- 17 - Underwater constructions.

**Supplementary:**

- 18 - -
- 19 - a temporary protection of the environment against the effects of a calamity.

<sup>(2)</sup> Construction, Slurry storage, Environmental protection and Civil engineering and other are standard fields of application. Italicized text refers to exclusions or extensions for this certificate towards the respective (standard field of) application.



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### RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the process shows no visible defects.

If you should reject a product on the basis of the above, please contact:

- Genap B.V.
- and, if necessary,
- Kiwa Nederland B.V.

