



## Process certificate K5084/06

Issued 2021-08-15

Replaces K5084/05

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### Processing of synthetic membranes

#### STATEMENT BY KIWA

Based on pre-certification tests as well as periodic inspections by Kiwa, the products referred to in this certificate and marked with the Kiwa-mark as indicated under 'Marking', supplied by

### Genap B.V.

may, on delivery, be relied upon to comply with the Kiwa audit guideline K537 "Processing of synthetic membranes".

Ron Scheepers  
Kiwa

*Publication of this certificate is allowed.*

*Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

# CERTIFICATE

28517015

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Certification process  
consists of initial and  
regular inspection of:

- quality system
- process



## Processing of synthetic membranes

## TECHNICAL SPECIFICATION

## PROCESS SPECIFICATION

The process concerns the processing of synthetic membranes by the entrepreneur according Assessment Guideline K537.

## Processing of synthetic membranes

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

<sup>(1)</sup> 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 ; *exclusively Manure-silo-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 spilling and other polluting risks during calamities.*

**Not applicable:** ornamental ponds made out of pre confectioned membranes.

<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.

## Processing of synthetic membranes

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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 on the basis of the above, please contact:

- Genap B.V.

and, if necessary,

- Kiwa Nederland B.V.