



# Technical Information

## COSMOFIN® GG

COSMOFIN GG is a reinforced, monomer plasticised PVC waterproofing membrane according to DIN 16734. COSMOFIN GG membranes are produced by extrusion method and are equipped with a homogeneous (capillary free) membrane edges.

Messrs. Henkel KGaA, Bautechnik Deutschland are certified according to DIN EN ISO 9001, DIN EN ISO 14001 and EU Öko-Audit-Regulation.

### COSMOFIN® GG means:

<ul style="list-style-type: none"> <li>• glassfibre reinforced</li> <li>• high tensile strength</li> <li>• Ozon- and UV resistant</li> <li>• micro organism resistant</li> <li>• hot and solvent weldable</li> </ul>	<ul style="list-style-type: none"> <li>• high cold resilience</li> <li>• root resistance</li> <li>• thermoplastic deformable (COSMOFIN F)</li> <li>• easy to recycle</li> <li>• free of cadmium and lead stabilizers</li> </ul>
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### Membrane type and field of application:

<b>COSMOFIN® GG</b>	glassfibre reinforcement in accordance to DIN 16734		
<b>Membrane width:</b>	1100 mm	<b>length:</b> 20 m	<b>area:</b> 22,00 m <sup>2</sup>
	*1100 mm	<b>length:</b> 15 m	<b>area:</b> 16,50 m <sup>2</sup>
	1620 mm	<b>length:</b> 20 m	<b>area:</b> 32,40 m <sup>2</sup>
	*1620 mm	<b>length:</b> 15 m	<b>area:</b> 24,30 m <sup>2</sup>
<b>thickness:</b>	1,2 mm, 1,5 mm, 1,8 mm*		
<b>Application+</b>	mechanical fixed loose laid and ballasted		

**Colour:** light grey, other colours on request

### System elements: e.g.

<ul style="list-style-type: none"> <li>• Inner and outer corner</li> <li>• Homogeneous material for details</li> <li>• Laminated steel sheets</li> <li>• Special profile systems (on request)</li> <li>• Stainless steel drains</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless steel overflows</li> <li>• Stainless steel vent pipes</li> <li>• Lightning protection elements</li> <li>• Adhesive for side fixings</li> </ul>
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**Hotline Technik-, Tel.: ++49/6053/708-141**

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Properties	Tests according to DIN 16734, section	COSMOFIN GG *
UV-stability	weathering 6000 MJ/m <sup>2</sup> acc. to 5.1 / 5.6 table 1: A-VII	yes
Root resistant	DIN 4062 FLL	yes
Tensile strength	5.6 long. table 1: C-VI trans.	> 800 N > 800 N
Elongation at break	5.6 long. table 1: C-VI trans.	> 2,5 % > 2,5 %
Shear stress of seam	5.7 table 1: C-VI	Breakage outside of seam
Tear propagation	5.8.2 long. Trans.	> 220 N > 220 N
Delamination force	5.9 long. Trans.	> 110 N > 110 N
Cold resilience	5.14	no cracks
Dimensional changes after heat storage (6 h / 80°C)	5.13.1 long. Trans.	-0,1 % -0,1 %
Appearance after heat storage	5.13.2	no blisters
Appearance after water pressure test. Water pressure: 2 bar / 24 h	5.11	tight
Perforation test	5.12	tight
Vapour diffusion resistance factor	DIN 53122	approx. 28.000

- test values for membrane thickness 1,5 mm Typ GG

This technical data sheet was produced according to the latest technical knowledge and standards of Henkel KgaA, Bautechnik WOLFIN, Wächtersbach. Technical changes due to further developments are possible.

**status: 07/06**