



**CLEAN AND SAFE**  
INTO THE FUTURE

**Freudenberg**  
Sealing Technologies



## THE PERFECT MIXTURE: WITH INNOVATIVE SEALING MATERIALS, YOU MEET TOMORROW'S REQUIREMENTS FOR DRINKING WATER, TODAY.

**Here is something you can rely on:**  
**As a global leader in technology and innovation,**  
**you can rely on us to supply highly advanced sealing**  
**solutions, which meet the special demands of the new**  
**elastomer guideline.**

Provide your European customers with products that have additional certifications, plus the maximum environmental and health protections. Freudenberg Sealing Technologies has the right answers to the new elastomer guideline: a new generation of EPDM materials in the 3xx series, whose different variations (see table) offer the right solution for your application. The relevant approvals\* help you to market the products containing our seals worldwide. Freudenberg assists

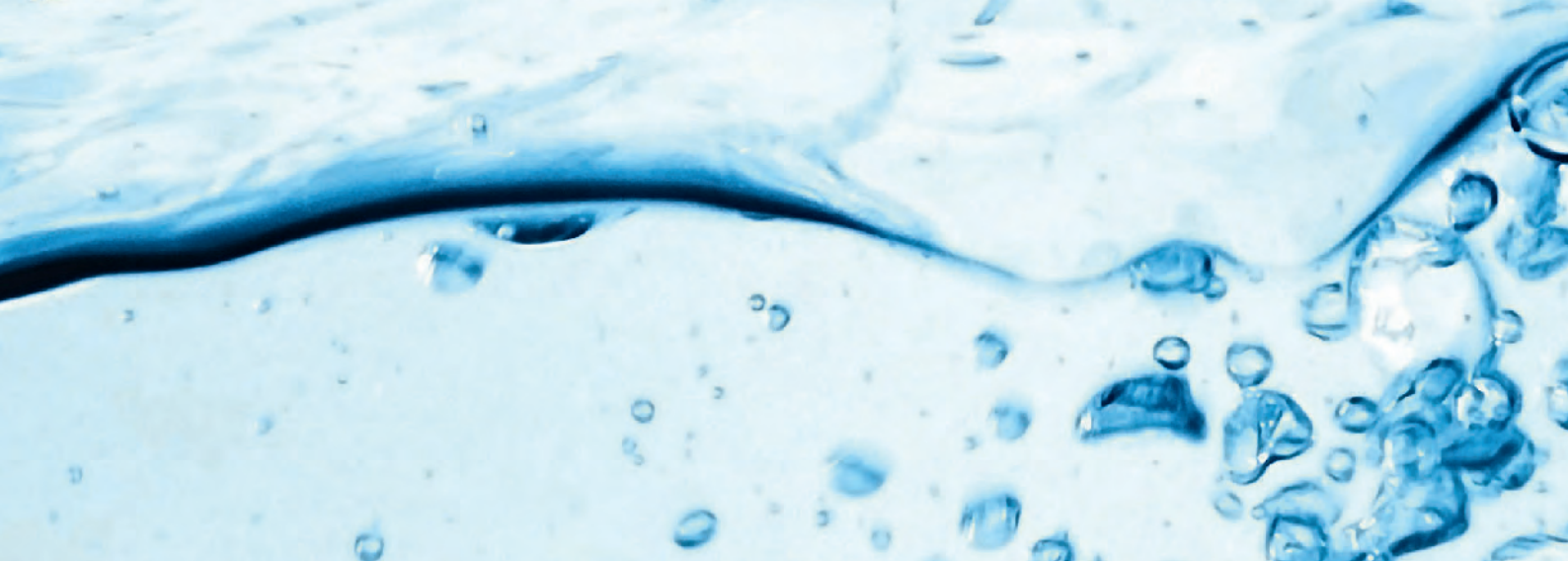
you with your success in the development and production of forward-looking drinking water applications.

- perfectly tailored sealing materials to meet growing demands
- a broad array of EPDM, polyurethane, silicone and 2K materials
- zero-defect objective in production for maximum reliability
- intensive quality audits of the entire production process

Would you like to meet the highest customer standards for today and tomorrow effectively and sustainably? We would be happy to provide you with detailed information about our made-to-order solutions for your current products and future developments.

\* (In part still in progress)

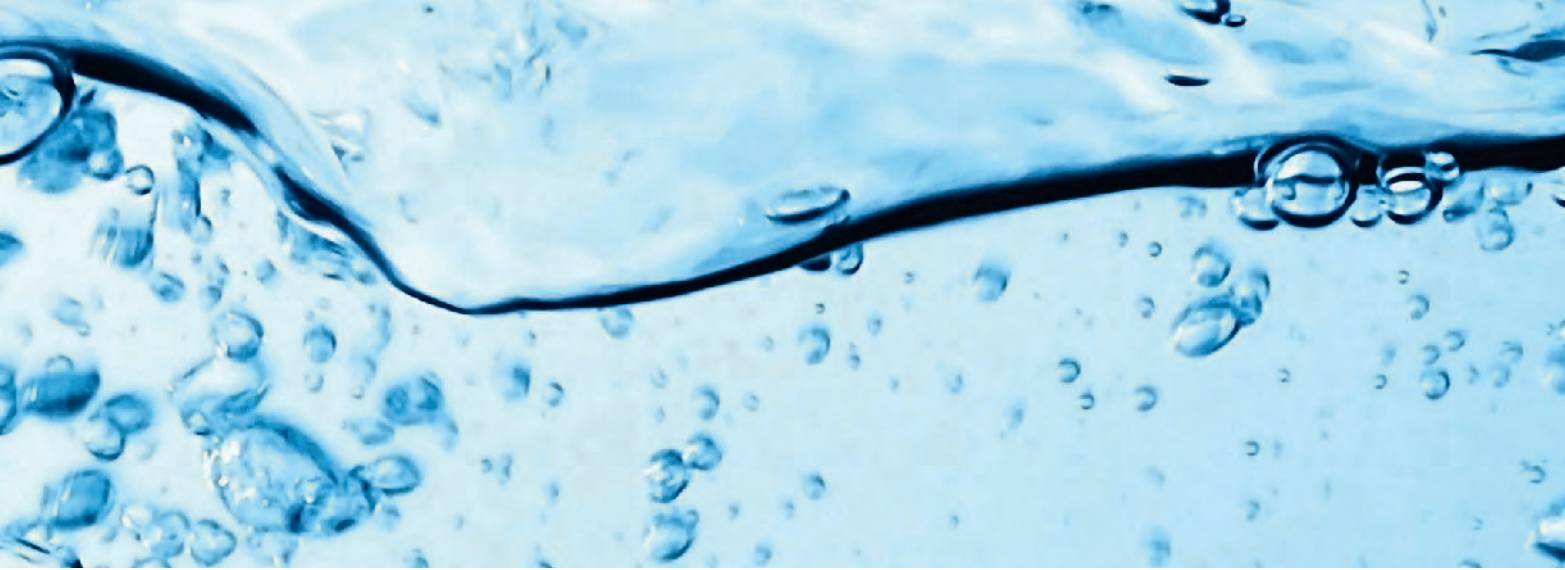




Material	Part	Color	New elastomer guideline	KTW 1.3.13	W 270
<b>60 EPDM 330</b>	O-rings	black	✓ <sup>1)</sup>		✓ <sup>1)</sup>
<b>70 EPDM 331</b>	O-rings	black	✓ <sup>1)</sup>		✓ <sup>1)</sup>
<b>85 EPDM 332</b>	O-rings	black	✓ <sup>1)</sup>		✓ <sup>1)</sup>
<b>60 EPDM 334</b>	molded parts	black	✓ <sup>1)</sup>		✓ <sup>1)</sup>
<b>70 EPDM 335</b>	molded parts, sheets and semi-finished parts	black	✓		✓
<b>85 EPDM 336</b>	molded parts, sheets	black	✓ <sup>1)</sup>		✓ <sup>1)</sup>
<b>70 FKM 340</b>	molded parts	black	✓ <sup>1)</sup>		✓
<b>60 EPDM 280</b>	molded parts / O-rings	black		✓	✓
<b>70 EPDM 281</b>	molded parts	black		✓	✓
<b>70 EPDM 281</b>	sheets and semi-finished parts	black		✓	✓
<b>85 EPDM 282</b>	O-rings	black		✓	✓
<b>85 EPDM 282</b>	sheets	black		✓	✓
<b>60 EPDM 290</b>	O-rings	black		✓	✓
<b>70 EPDM 291</b>	molded parts / semi-finished parts	black		✓	✓
<b>70 EPDM 291</b>	O-rings	black		✓	✓
<b>85 EPDM 292</b>	O-rings	black		✓	✓

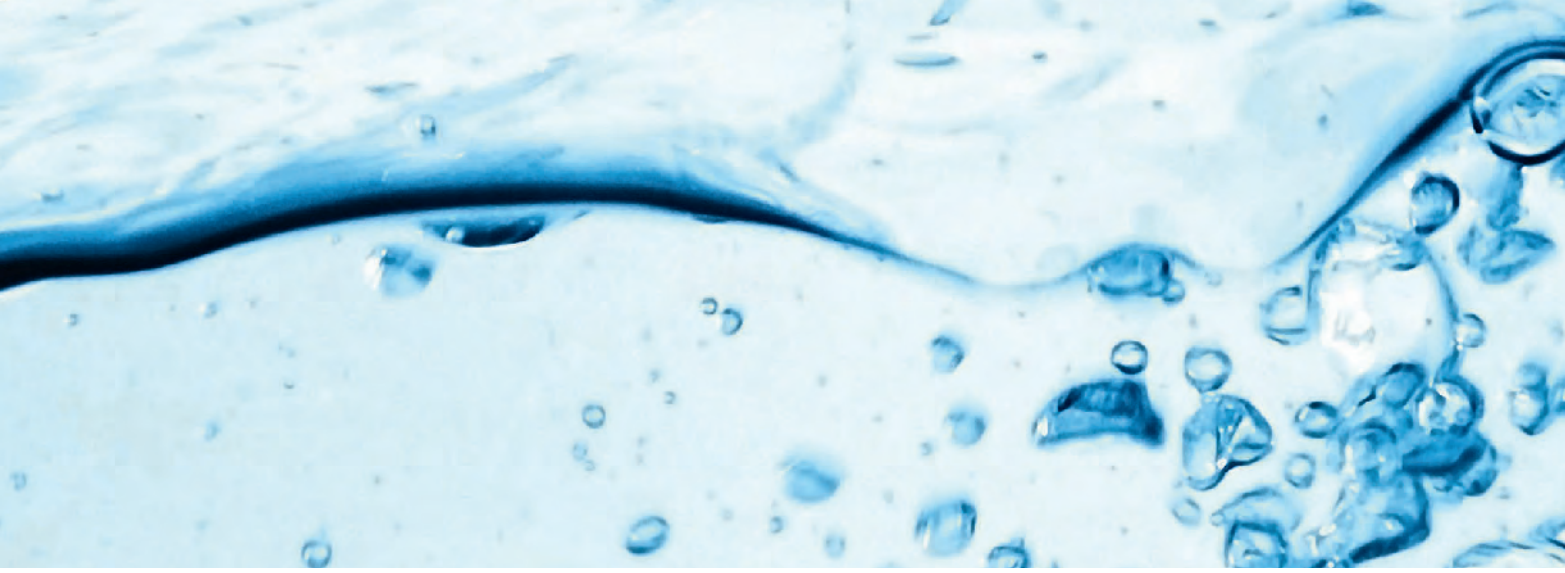
<sup>1)</sup> in progress





NSF61	WRAS	ACS	(EG) Nr.1935/2004	FDA	Application
✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>		
✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>		armatures, heating, solar
✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>		armatures, heating, solar
✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>		diaphragms, molded parts
✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓		diaphragms, molded parts
✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>	✓ <sup>1)</sup>		seat seals, stamped parts
					special applications
		✓	✓		
		✓	✓		standard product line
		✓	✓		standard product line
	✓	✓	✓		seat seals, stamped parts
		✓	✓		
			✓		
✓	✓	✓	✓	✓	armatures, heating, solar connections
✓	✓	✓	✓	✓	
			✓	✓	





## MATERIAL DEVELOPMENT AND PRODUCTION

### **The right way from the very beginning**

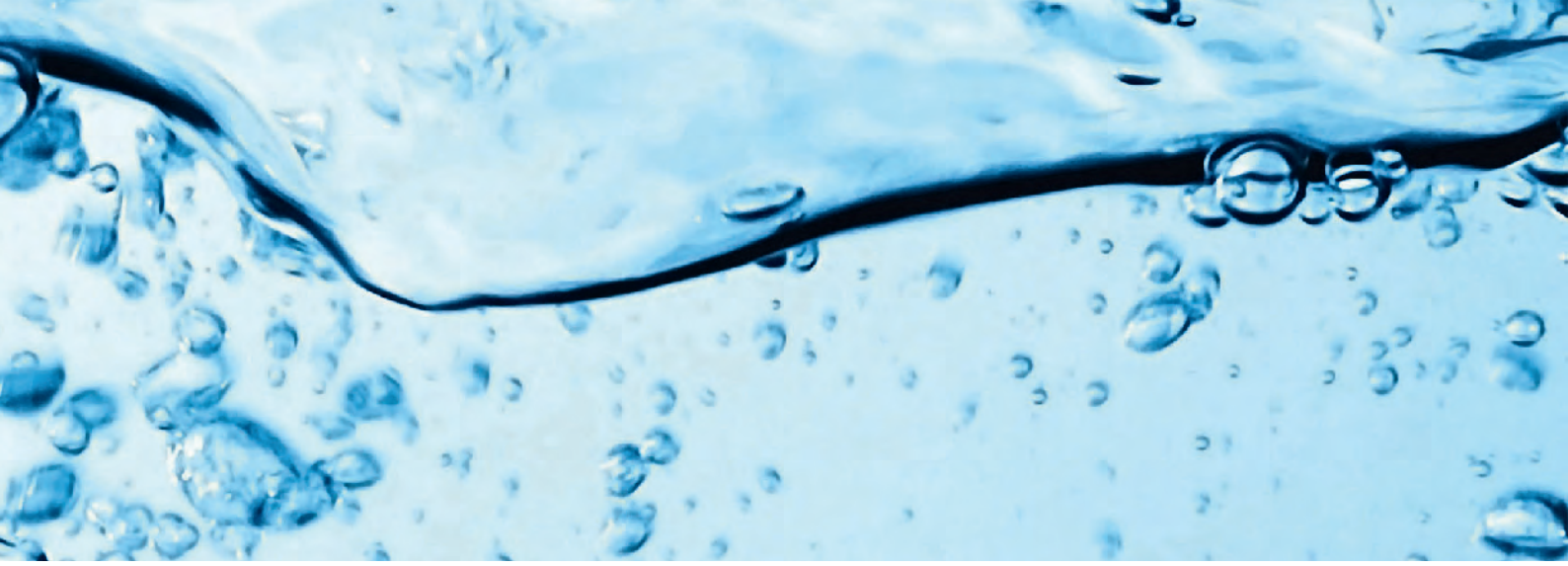
Involved right from the start – this describes the material specialists at Freudenberg Sealing Technologies. Our specialists develop made-to-order elastomer compounds and improve upon them all the way to production.

As a technology specialist, Freudenberg Sealing Technologies embraces the steadily growing demands on seals and sealing materials. Our zero-defect, high-quality compounds are the foundation for reliable sealing. Selected raw materials, and our own polymers for acrylate and fluoro rubber, are the ingredients for Freudenberg's high-quality elastomer mixtures.

With state-of-the-art computation methods and material models, Freudenberg experts simulate the behavior of the sealing material in each application. We can assess the options for using a material as well as its operating life with a broad, multifaceted array of analytical methods. By putting these high-tech materials to the test, we ensure the quality of our products from the very start.

Freudenberg Sealing Technologies has a wide variety of active mixtures (rubber, plastics, coatings and adhesives) based on hundreds of raw materials.





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