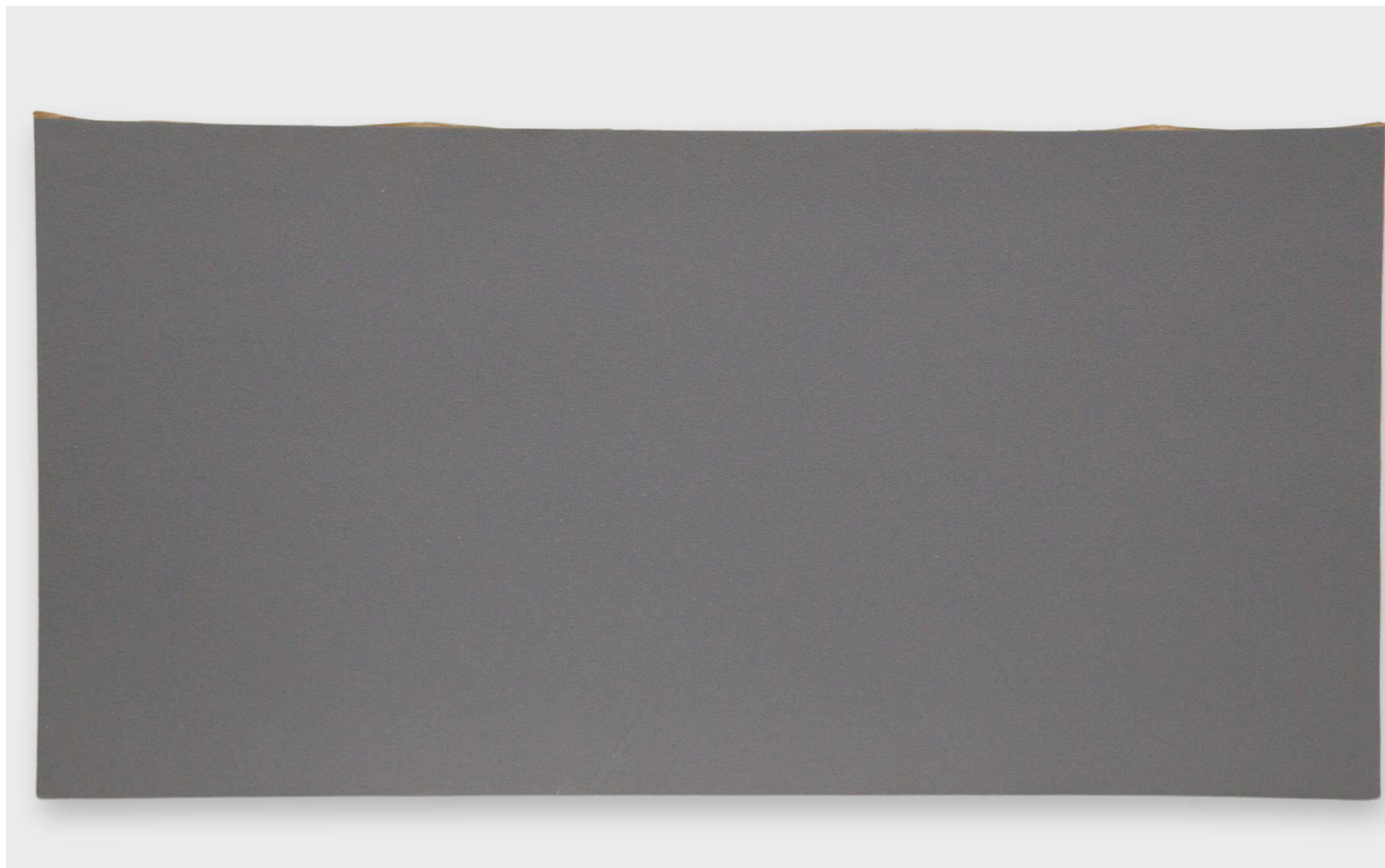
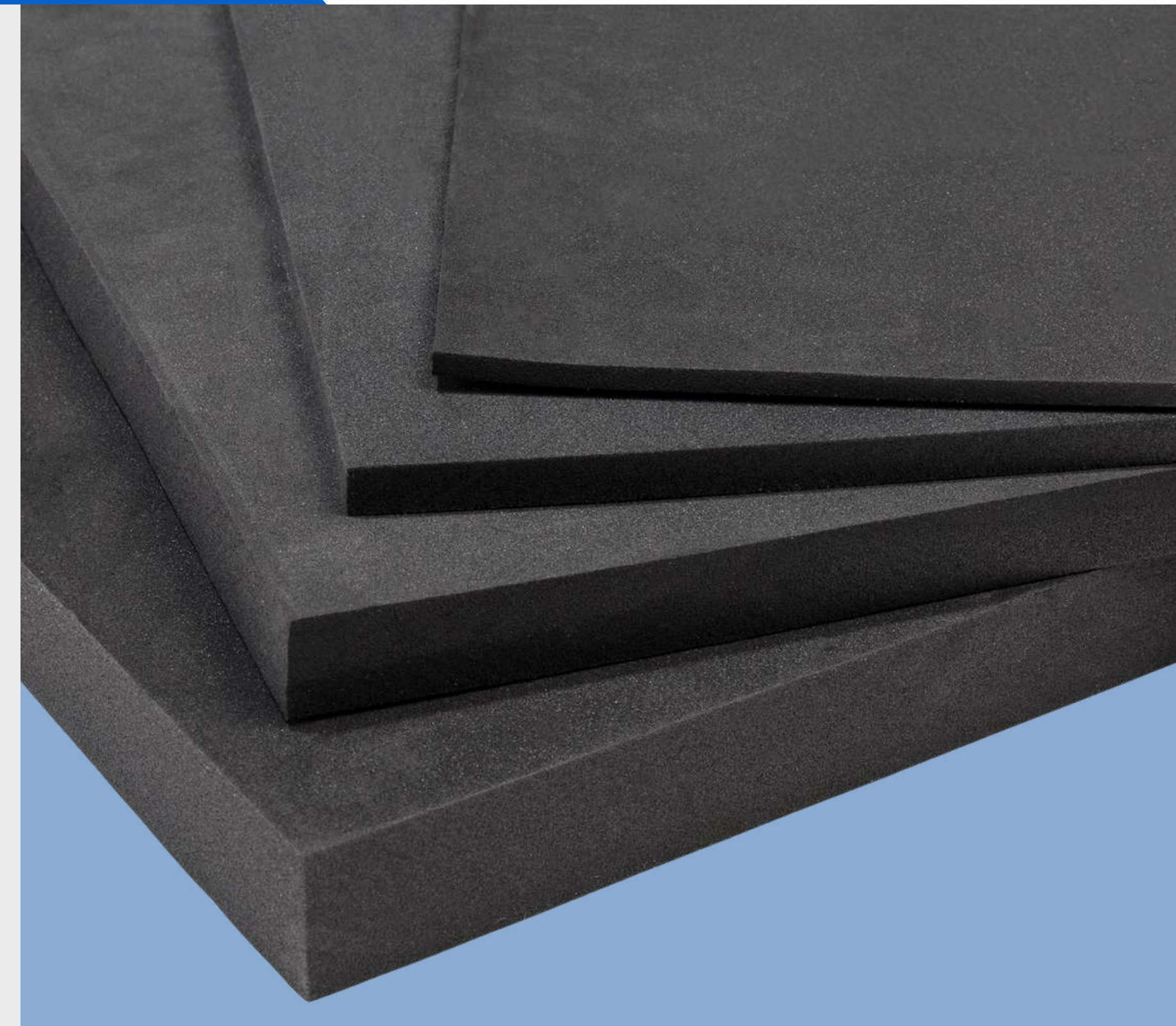


# FutureFlex™ Sheets

## PRODUCT DESCRIPTION

FutureFlex™ Sheets are closed-cell polyethylene foam joint fillers designed for superior resilience and performance in concrete expansion joints. Their cross-linked structure offers excellent water resistance, chemical durability, and thermal stability, making them suitable for submerged, high-load, and trafficable environments. With a built-in 10mm perforated edge, they allow for easy sealant preparation post-installation.



## FEATURES & BENEFITS

- Durable closed-cell polyethylene foam construction
- Non-absorbent and lightweight
- Excellent chemical and weather resistance
- Wide thermal range: -50°C to +80°C
- Easy on-site cutting and installation
- Perforated edge for convenient sealant placement
- Available in adhesive and non-adhesive backing
- Custom slitting available

## AREAS OF APPLICATION

- Airports, bridges, and tunnels
- Retaining walls and underground cellars
- Dams, ports, and hydropower projects
- Industrial floors and concrete slabs
- Flood protection and submerged structures

## AVAILABLE SIZES

Code	Product Description	Dimensions (mm)	Pack Qty.
112794	FutureFlex™ PE100	2000 x 1000 x 10	5
115165	FutureFlex™ PE100	2000 x 1000 x 15	4
106514	FutureFlex™ PE100	2000 x 1000 x 20	2
115162	FutureFlex™ PE70	2000 x 1000 x 10	4
115163	FutureFlex™ PE70	2000 x 1000 x 15	2
115164	FutureFlex™ PE70	2000 x 1000 x 20	2
104794	FutureFlex™ PE30	2400 x 1200 x 10	10
112964	FutureFlex™ PE30	2400 x 1200 x 15	6
106793	FutureFlex™ PE30	2400 x 1200 x 20	5
106148	FutureFlex™ PE30 Adhesive	2400 x 1200 x 10	10
105850	FutureFlex™ PE30 Adhesive	2400 x 1200 x 15	6
106277	FutureFlex™ PE30 Adhesive	2400 x 1200 x 20	5

## TECHNICAL SPECIFICATIONS

### PE30

Property	Unit	Value
Hardness	Shore C/00	20 / 40-25
Elongation	%	180%
Tensile Strength	kg/cm <sup>2</sup>	2
Tear Strength	kg/cm	1.5
Compression Strength	kg/cm <sup>2</sup> @ 25%	0.2
Compression Set	%	8%
Compression Deflection	kPa	5
Density	kg/m <sup>3</sup>	30 ± 5
Thermal Conductivity	W/m°C	0.03
Water Absorption	g/cm <sup>3</sup>	0.01
Linear Shrinkage	%	± 5
Operating Temperature	°C	-30 to +80
Flammability	-	UL94 HF-2 / CNS1048A2165 60/120

# FutureFlex™ Sheets

## PE70

Property	Unit	Value
Hardness	Shore C	30–35
Elongation	%	140%
Tensile Strength	kPa	355
Tear Strength	kg/cm	1.5
Compression Strength	kg/cm <sup>2</sup> @ 25%	0.4
Compression Hardness	kPa	40
Compression Set	%	8%
Density	kg/m <sup>3</sup>	70 ± 5
Thermal Conductivity	W/m°C	0.036
Water Absorption	g/cm <sup>3</sup>	0.001
Linear Shrinkage	%	± 5
Operating Temperature	°C	-30 to +80
Flammability	-	UL94 HF-1 / CNS1048A2165 45mm/60sec

## PE100

Property	Unit	Value
Hardness	Shore C /00	45–50 / 77–83
Elongation	%	90%
Tensile Strength	kg/cm <sup>2</sup>	13.2
Tear Strength	kg/cm	4.5
Compression Strength	kg/cm <sup>2</sup> @ 25%	1.2
Compression Hardness	kPa	–
Compression Set	%	3.20%
Density	kg/m <sup>3</sup>	95 ± 5
Thermal Conductivity	W/m°C	0.045
Water Absorption	g/cm <sup>3</sup>	0.001
Linear Shrinkage	%	± 8
Operating Temperature	°C	-50 to +75
Flammability	–	FMVS302 PASS / CNS1048A2165: 37.6mm/60sec