



# Fawori Optimix Black EPS

## DESCRIPTION

**Optimix Carbon EPS Thermal Insulation Plate** is a polystyrene-based thermal insulation plate produced in accordance with TS EN 13163 Standard for Thermal Insulation Materials.

## SPECIFICATIONS

- Thermal conductivity coefficient of  $\lambda = 0.034$  W/mK.
- High water vapor permeability ( $\mu=20-40$ ). Prevents humidity, moisture, and mold in structures.
- Ability to stand all mechanical loads in structures. Prevents the formation of plaster, paint, and coating cracks resulting from expansion, shrinkage, and wall wearing.
- Reaches the perfect size determination by resting in accordance with the standards after production, there is no deviation from the square over time.

## STORAGE

Store in a cool and ventilated environment, away from direct sun light and substances like solvents and thinners.

## TECHNICAL SPECIFICATIONS

FEATURES	OPTIMIX CARBONACEOUS EPS THERMAL INSULATION PLATE	UNIT	CLASS	STANDARD
Thermal Conductivity Coefficient ( $\lambda$ )	0.034	W/mK		TS EN 13163
Tensile Strength Perpendicular to Surface	$\geq 80$	kPa	TR 80	TS EN 13163
Compressive Strength at 10% Deformation	$\geq 40$	kPa	CS(10)40	TS EN 13163
Length Tolerance	$\pm 2$	mm	L2	TS EN 13163
Width Tolerance	$\pm 2$	mm	W2	TS EN 13163
Thickness Tolerance	$\pm 1$	mm	T1	TS EN 13163
Size/Angle Tolerance	$\pm 2$	mm/1 m	S2	TS EN 13163
Size Stability Under 23 °C, 50% Relative Humidity	$\pm \% 0,2$		DS(N)2	TS EN 13163
Dimensional Stability in 48 hours, 70 °C	$\% 1$		DS(70,-)1	TS EN 13163
Long Term Water Absorption by Full Immersion	$\leq \% 5$		WL(T)5	TS EN 13163
Partial immersion	$< 0.5$	kg/m <sup>2</sup>		TS EN 13163
Water Vapor Diffusion Resistance Coefficient	20-40	$\mu$		TS EN 13163
Fire Endurance	Hard to inflame.		B1	DIN 4102
			E	TS EN 13501-1
Size	50 x 100	cm		
Thickness	2,3,4,5,6,7,8,9,10	cm		

Produced in line with TS EN 1316313163.

## RATE NO.

04.612/2A, 04.612/2E

## POSE NO.

Y.19.055/021, Y.19.055/022, Y.19.055/023, Y.19.055/024, Y.19.055/025, Y.19.055/026

This product is manufactured by Betek A.Ş., with certificate of conformity to the standards TS EN ISO 9001, TS EN ISO 14001, TS 18001, TS EN ISO 50001, TS ISO 10002, TS ISO/IEC 27001.

\* Please contact our technical support for details that are not provided above, since this technical sheet is based on general conditions. Otherwise, the manufacturer may not be held responsible for any missing information. Our company reserves the right to change the information provided. Where necessary, please refer to the Material Safety Data Sheets for more information on health, safety and handling risks, and precautions associated with the products.