

TOMBO™ No.6760

# VERMOFLEX™



VERMOFLEX is a heat-expandable and fire-resistant sheet made of a mixture of ceramic fiber and heat-expandable and inorganic material with a small amount of both organic and inorganic binders through the paper making process. Vermoflex expands approximately four times in thickness when heated.  
(Heated in non load-bearing condition)

## Applications

- Gap filler for fire compartment at cable and pipe penetration
- Fireproofing for cable racks and structural steel
- Expansion joints (building materials)

## Advantages

- Stable expandability
- Excellent in handling
- Easy to cut with a cutter
- Excellent in thermal insulation
- High thermal shock resistance

## Physical Properties

Properties (Unit)	Unit	Vermoflex	
Maximum Service Temperature	°C	800	
Bulk Density	kg/m <sup>3</sup>	Room temperature	600
		850°C×30min	100
Expansion ratio		Approximately 4 times	
850°C×30min			
Temperature at which expansion starts	°C	400	
Temperature at which outstanding expansion occurs	°C	540	
Ignition Loss	%	850°C×30min	16
Thermal Conductivity	W/(m·K)	25°C (before expansion)	0.05
		800°C (after expansion)	0.14

●These figures are test results and should not be used for specification purposes.



Before expansion



After expansion

## Industrial Equipment

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Standard Dimensions (mm)	1,000×1,000		
Standard Thickness (mm)	2.0	3.0	4.0
Quantity per package (sheet)	38	25	19



### Cautions for handling the products

1. Store these products in the original package and keep from water leakage in a cool and dark place to retain the designed performance.
2. Check on the SDS (Safety Data Sheet) regarding cautions on occupational health.
3. Comply with your local legislation in the case of disposal of these products.