VBB EV 7.0

A fundamentally new generation of extra light non-resonant insulating materials using new type of mastic (AeroShpereReinforced) instead of different type of foam, different properties:
- low density 0.95kG/m3
- high adhesion > 11.0 N/cm
- extremely wide temperature operating range (-40C… +140C)
- has absolutely no smell of bitumen
- does not dirty hands during installation
- enhances and expands the temperature range of the MLF of the first vibration damping layer

The materials are specifically developed for use in EV cars, for whom additional weight is an important factor
Application (second insulation layer for horizontal surface): floor, wheal arches … .

MATERIAL DATA SHEET

Name of index	Value	Testing method
used mastic ()	AEROSPACE (ASR)	ROHS (EU) 2015/863
Material Thickness (mm)	7.0 +-10%	GOST 17073-71
Mass per m² (kg)	9.5	GOST 17073-71
Fire risk, burning rate (mm/min)	Non-flammable 100	ISO 3795-76
Durability of connection between the material and the metal surface during flaking-off (N/cm)	>11.0	
Operating Temp. Range (°C)	-40 to +140	
Max. Temp. Intermittent (°C)	+160	
Package Weight (kG)	13.0+-10%	
Package weight (kg,avg)	9.10 +-10%	
Package volume (m³,avg)	0.0200 +-10%	

COMPOSITION

A multi-layered combination of elastic foamed polyethylene, heavy layer membrane based on butyl-rubber mastic and non-woven fabric.

APPLICATION

This material should installed on clean, dry surfaces, including on complex surfaces. (WARNING: Not to be installed on corroded metal surfaces!). First clean the surface from dirt, it is recommended to use water with neutral detergents, which do not contain organic solvents and alkali. After surface dries, degrease it with white spirit, gasoline or other solvents and allow dry completely.
Peel off the anti-adhesive paper and thoroughly press against the surface, avoiding the formation of air bubbles between the surface and the material. Roll the material with a roller, pressing it through so that there is no air trapped between the material and the surface (use the "from the center to the edge" technique). It is best to apply the material in working environments with temperatures between +18 and

+35°C.

STORAGE

Material should be stored inside at temperature not higher than +40°C in horizontal position on a flat surface at a distance not less than 1 m from any heating systems; avoid any wet conditions and contacts with oils and direct sun. Do not stack the materials more than 1.2m in height.

PACKING TYPE / AREA

05sh 70x48 / 1.68 m²