

# DATA SHEET

## AD 4418

PVC Single Sided Foam Tape

AD 4418 is primarily a foam compression sealant. The product is black. The foam is predominantly closed celled and is of medium hardness foam. An acrylic pressure sensitive adhesive is coated on one side, and the product has paper release liner on the other non-adhesive face. AD 4418 will act as a water-seal and air/dust seal when compressed.

### APPLICATIONS:

- Forms a compression water seal
- For preventing electrolytic corrosion
- For heavy duty cushioning
- For high load bearing applications
- Forms a compression air/dust seal
- For gap filling
- For anti slip mounting

### PRODUCT BENEFITS:

- Minimum 30% compression required to effect a water seal
- Service temperature -30C to +100C
- Application temperature: +10C to +40C
- Shelf life of 1 year
- Coated on one side with a high quality pressure sensitive acrylic adhesive
- Good resistance to dilute acids and alkalis
- Paper release liner on the non-adhesive face, reducing dimensional change during application
- Very good Ultra violet UV Light resistant
- Resistance to abrasion, corrosion and moisture
- Suitable for indoor and outdoor environments
- No known hazards associated with this product
- Pre-determined dimensional sealant reduces waste
- Clean to use
- Clean edge finish

### NOTICE:

All technical data are average results of laboratory measurements and can be easily generalized to all practical applications. Particular tack depends on substrate and the bonding surface. Therefore, we recommend to always perform individual tests.

### STORAGE:

Shelf life from date of delivery is 12 months in a normal environment and original packaging. Shelf life is inversely proportional to the storage temperature. Material against extreme temperatures and direct sunlight. Tapes removed from their original packaging protected from dust and other contaminants.

**ACCREDITATIONS:**

- Conforms to European Directive 2000/53 EC (lead, chromium VI, mercury, cadmium free)
- Fire rated to DIN 4102 part 1, B2
- AbP DIN EN 13501-1 : 2010 Class E Fire classification

**TECHNICAL PROPERTIES:**

Technical Property	UNIT	Nominal Value
Shore Hardness {OO} Scale	“OO”	50
Force To Compress By 30%	Ncm <sup>2</sup>	6,3
Compression Deflection After 1 Minute	Ncm <sup>2</sup>	5,3
10 Minute 180° Peel Adhesion	N/25mm	5
Tensile Strength	Ncm <sup>2</sup>	88
Elongation at Break	%	>140
Thermal Conductivity (k)	Wm <sup>-1</sup> K <sup>-1</sup>	0,043

**RECOMMENDATIONS:**

Surfaces must be clean, dry, free from grease and dirt. Recommended cleaning agent is Propan-2-ol, (IPA). Please note manufacturer's safety instructions should be followed and customers to ensure compatibility of the solvent with their substrate. Ideal bonding substrates are those which: clean, dry, flat, smooth, dust free and non porous.

Low temperatures may increase the risk of condensation, reducing the tack of the product. Life expectancy will vary with temperature and humidity. Product may be applied by hand directly from a roll applying even pressure.

Customers are recommended to make their own assessment of our products under their own conditions, for their own requirements.

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