

Butyl Tapes

HS Butyl Ltd

HS Butyl History

- *Originally called Hodgson Sealants, the company was founded in 1967 in Beverley, Yorkshire.*
- *In 2007, bought the butyl tape manufacturing plant of Scapa in Lymington. Subsequently, butyl tape manufacture was consolidated on this site.*
- *In 2011, invested £1.5m in a new continuous mixer to increase capacity.*
- *In April 2012, changed name to HS Butyl Ltd, to give 100% focus on butyl tapes.*



Company Statistics

- *Over 40 years experience in butyl manufacture*
- *About 100 staff at the Lymington site*
- *Turnover – 14 million Euros of which about 50% is exported.*

Market Sales

- *Building / R&C 60%*
- *Membranes / Wetrooms / HVAC 20%*
- *Vehicle Construction & Caravans 15%*
- *Water tanks / Electrical 5%*

Why choose HS Butyl?

- *Range of products*
- *Product formats*
- *Quality*
- *Global reach*
- *R&D*
- *Continuous mixer*

Operations

- *Mixing*
 - *Continuous mixer*
 - *Batch mixers*
- *Extrusion*



Product Formats



- *Double-sided*
- *Single-sided*
- *Paper or Film release liner*
- *Rolls*
- *Cut lengths*
- *Multilane*
- *Diecuts*
- *Preshim*



What dimensions are possible?

- *Double-sided tapes*
 - *Minimum thickness 0.8mm*
 - *Maximum thickness 25mm*
 - *Minimum width 3mm*
 - *Maximum width 300mm*
- *Single-sided tapes*
 - *Minimum thickness 0.8mm*
 - *Maximum thickness 5mm*
 - *Minimum width 30mm*
 - *Maximum width 300mm to 500mm*

Butyl Tape capabilities & limitations

- *Capabilities*
 - *Forms an air or water seal*
 - *Conformable*
 - *Good adhesion to different substrates*
 - *Good durability*
 - *Low moisture vapour transmission rates*
- *Limitations*
 - *Temperature resistance*
 - *Creep*
 - *No recovery properties*
 - *Not structural adhesives*

Double-sided Butyl Tapes



Product Comparison

TECHNICAL PROPERTIES AND PERFORMANCE								
	UNIT	TEST METHOD	0303	0305	0311	0320	0390	2239
<i>Dynamic Tensile Adhesion</i>	<i>N/cm²</i>	<i>H5</i>	<i>40</i>	<i>32</i>	<i>25</i>	<i>30</i>	<i>20</i>	<i>18</i>
<i>Dynamic Shear Adhesion</i>	<i>N/cm²</i>	<i>H15</i>	<i>12</i>	<i>12</i>	<i>20</i>	<i>16</i>	<i>15</i>	<i>14</i>
<i>90° Peel Adhesion</i>	<i>N/cm</i>	<i>H48</i>	<i>7</i>	<i>8</i>	<i>12</i>	<i>11</i>	<i>12</i>	<i>7</i>
<i>180° Peel Adhesion</i>	<i>N/cm</i>	<i>H41</i>	<i>8</i>	<i>9</i>	<i>24</i>	<i>12</i>	<i>18</i>	<i>11</i>
<i>Specific Gravity</i>	<i>g/cm³</i>	<i>H6</i>	<i>1.7</i>	<i>1.6</i>	<i>1.5</i>	<i>1.2</i>	<i>1.1</i>	<i>1.6</i>
<i>Moisture Vapour Transmission Rate</i>	<i>g/m²/24hr/mm</i>	<i>ISO9932 / BS ISO 15106</i>	<i>0.17</i>	<i>0.14</i>	<i>0.13</i>	<i>n/a</i>	<i>0.13</i>	<i>0.24</i>
<i>Service Temperature Range</i>	<i>°C</i>		<i>-40 to +90</i>	<i>-40 to +90</i>	<i>-40 to +90</i>	<i>-40 to +100</i>	<i>-40 to +90</i>	<i>-40 to +90</i>

Single-sided Butyl Tapes

*Foilband
0314*



*Foilband
0316*



*Fleeceband
0318*



Market-specific Butyl Tapes

- *Roofing & Cladding*
 - *GCA*
 - *Polyband*
- *Membranes*
 - *Membrane Tape*
 - *HP Membrane Tape*
 - *Covertape*
- *Electrical*
 - *2788*
- *HVAC*
 - *0372*
- *Vehicle Construction*
 - *0330 series*
 - *0323*
 - *0361*
- *Water Tank Construction*
 - *0361*
 - *0361WT*

Markets and Applications

	0303	0305	0311	0320	0323	0330	0361	0361 WT	0372	0390	2239	2788	GCA	Membrane Tape	HP Membrane Tape	Covertape	Foilband 0314, 0315, 0316	Fleeceband 0318	Window Tape 0349	Polyband
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Markets and Applications



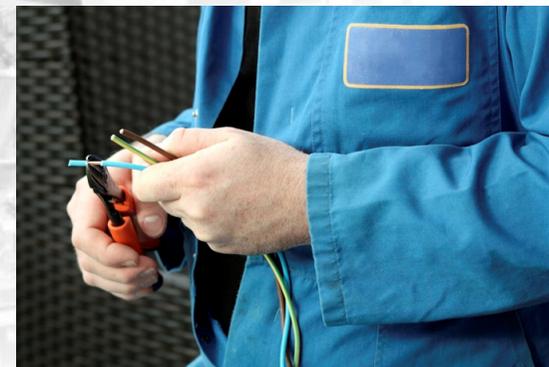
- *Building*
- *R&C*
- *Membrane*
- *Vehicle Construction*



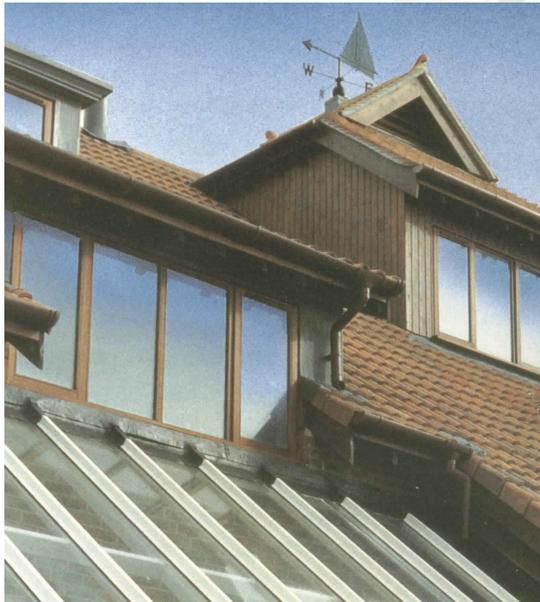
Markets and Applications



- *Caravan*
- *Water Tanks*
- *Electrical*
- *HVAC*
- *Wetrooms*



Building Applications



T-bars / Flashing

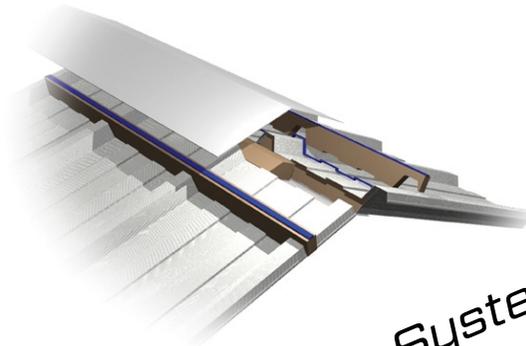


Caisson Rings



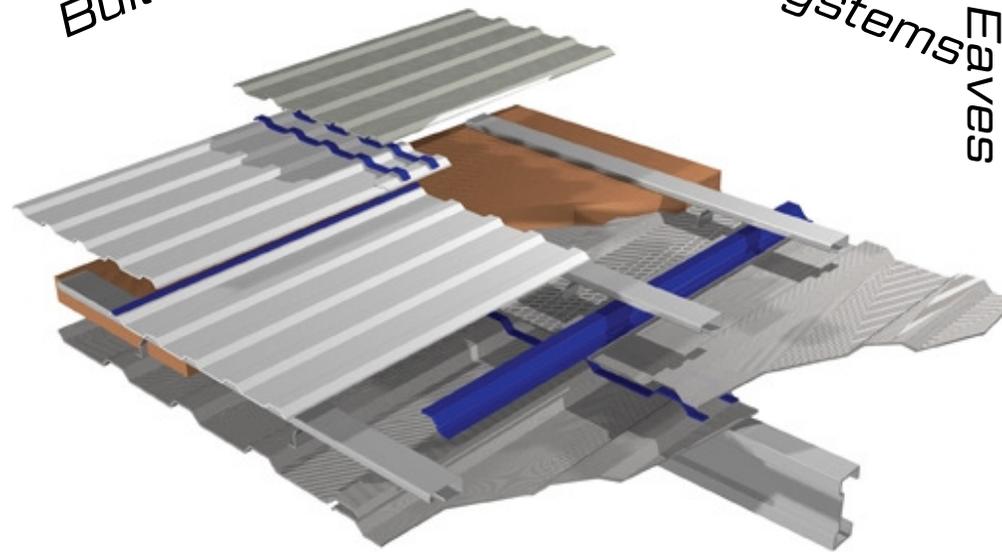
Nailtape

Roofing and Cladding



Ridge

Built up Systems Composite Systems



Eaves

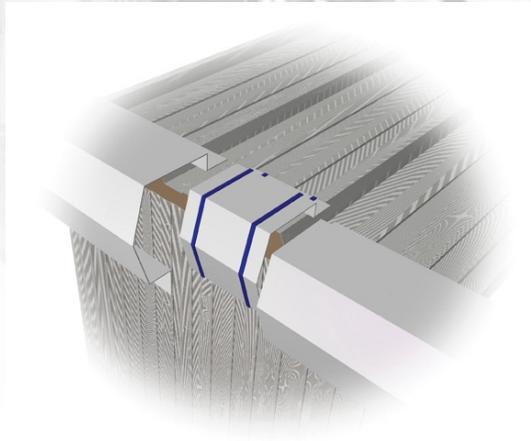
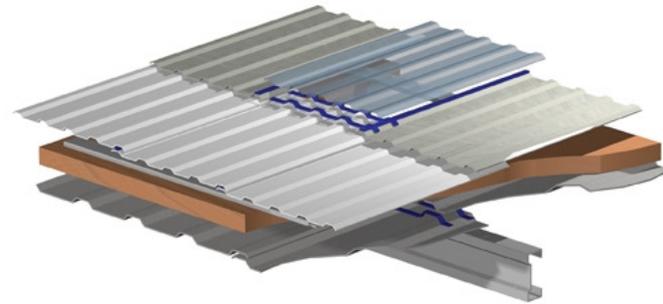
Roofing and Cladding

Liner trays

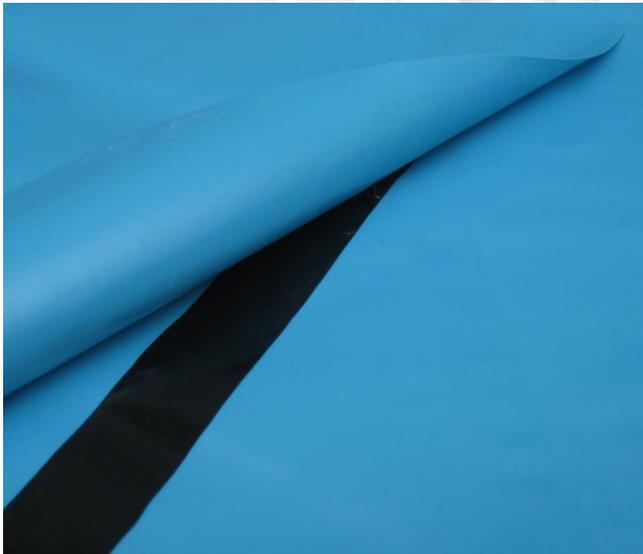
Rooflights

Flashings

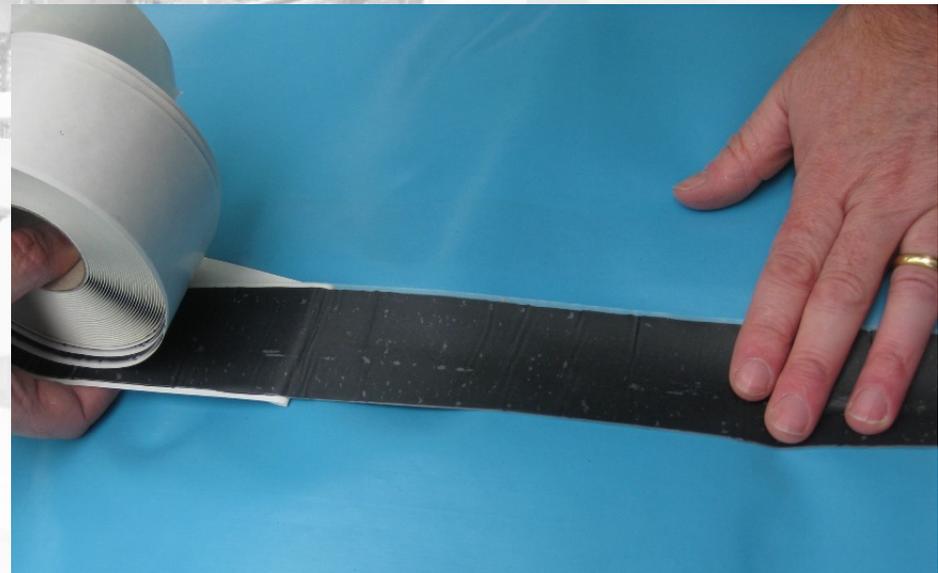
Cladding



Membranes



Membrane joins



Overtaping

Membranes



Vapour Control Layers



Radon Barrier Membranes

Vehicle Construction



Body-in-white



Assembly

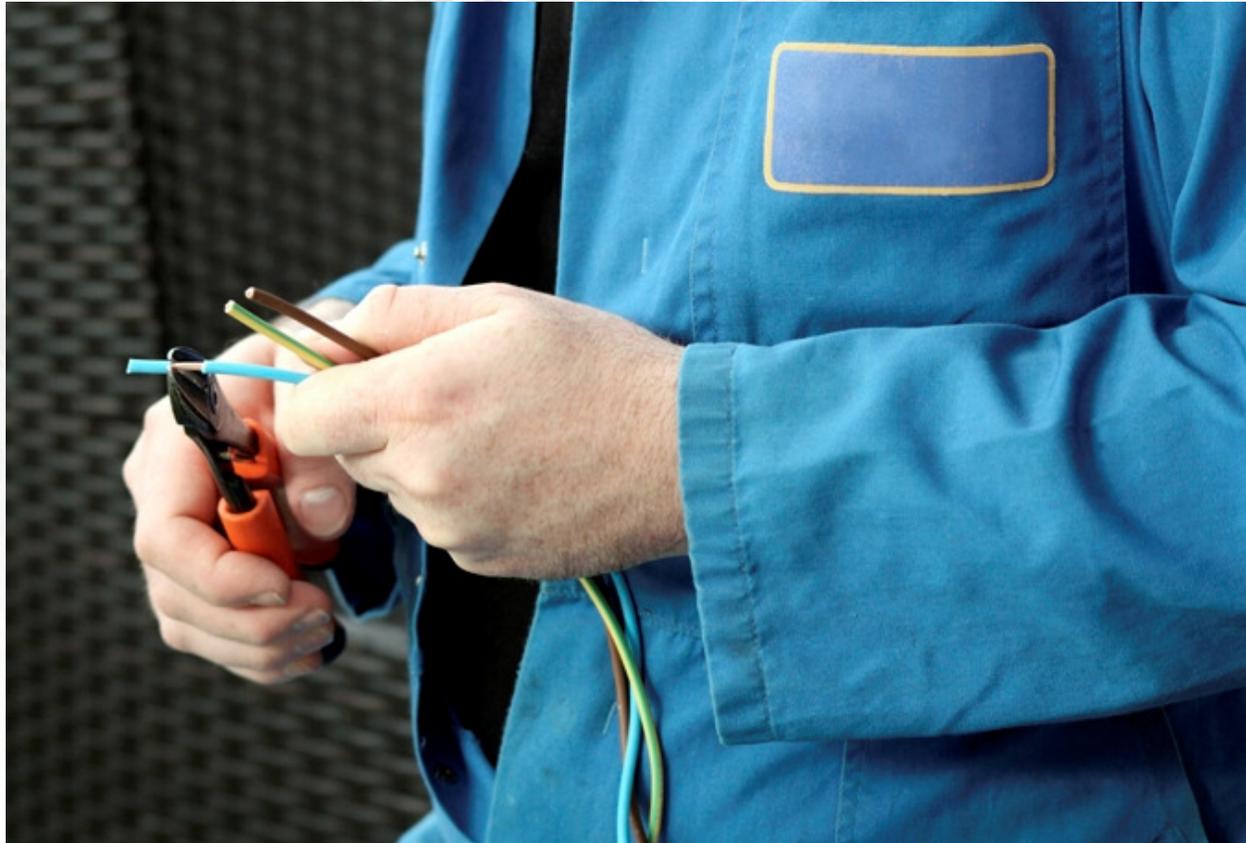
Caravan



Modular Water Tanks



Electrical



Low voltage insulation and waterproofing

HVAC



0372



0316

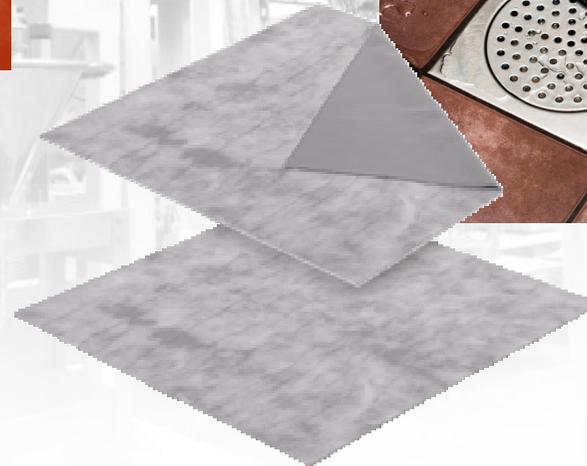
Wetrooms



Floor-to-wall joins



Drains



Working in Partnership

- *R&D / Technical Service*
 - *Develop new products or tailor existing ones to your requirements*
 - *Work together to confirm product suitability for specific applications*