Resichem, a sister company within the Rigifoam group, was founded by the shareholders of Rigifoam in 2001. With extensive experience in PU foam systems formulating and application in the group, Resichem has captured the major market share of the Southern African PU foam systems market.

Our Rigid and Flexible Polyurethane Foam systems are all developed in house with the backup of experienced technical personnel and a fully serviced analytical & physical testing laboratory. We have remained the market leader by continuously interfacing with global leaders in polyurethane systems & application technologies.

Resichem was the first to commercially introduce systems in sub-Saharan Africa that did not contain HCFC’s. Resichem remains on the forefront of new blowing agent technology and can formulate with any blowing agent to suit your requirements.

With a polyol blending capacity of 50 MT per day, we supply & service the South African market from self-managed distribution centers in Gauteng (head office), KwaZulu Natal, Eastern Cape and Western Cape. All of our systems are produced under the ISO 9001 quality systems audited by German based DQS.
INDUSTRIES & APPLICATIONS SUPPLIED INCLUDE

Flex Foam systems, product groupings and their applications

- **Refrigeration**
  - Domestic and commercial fridges
  - Cold rooms
  - Cooler boxes
  - Critical medicines logistics

- **Construction**
  - Prefabricated offices / classrooms / accommodation
  - Under floor, wall cavity and roof insulation
  - Insulated roof sections

- **Electric & solar geyser**
  - Category B compliant

- **Insitu spray foam insulation**

- **Furniture**
  - Cornices
  - Wood imitation
  - Center roses

- **General**
  - Taxidermy
  - Buoyancy
  - Security
  - Protective packaging

BLOWING AGENTS

<table>
<thead>
<tr>
<th>4G Foam</th>
<th>HFO1336</th>
<th>R141b</th>
<th>245 fa</th>
<th>365/227</th>
<th>C-Pentane</th>
<th>Ecomate</th>
<th>n-Pentane</th>
<th>Methylal</th>
<th>Genesis</th>
<th>Formic Acid</th>
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</thead>
<tbody>
<tr>
<td>ODP</td>
<td>0</td>
<td>0</td>
<td>0,11</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>GWP</td>
<td>1</td>
<td>2</td>
<td>925</td>
<td>950</td>
<td>794</td>
<td>11</td>
<td>3,7</td>
<td>negligible</td>
<td>1</td>
<td>1</td>
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</tbody>
</table>

Typical λ Values of Foam (W/m.K)

| 0,018 | 0,018 | 0,020 | 0,020 | 0,020 | 0,022 | 0,022 | 0,024 | 0,026 | 0,028 |

FLEX FOAM SYSTEMS, PRODUCT GROUPINGS AND THEIR APPLICATIONS

<table>
<thead>
<tr>
<th>MDI high resilience</th>
<th>MDI Visco-elastic (memory) foam</th>
<th>MDI Integral Skin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office and domestic furniture</td>
<td>Pillows and mattresses</td>
<td>Industrial seating</td>
</tr>
<tr>
<td>Automotive seating</td>
<td>Safety molding</td>
<td>Arm rests and wheelbases</td>
</tr>
<tr>
<td>Pillows and mattresses</td>
<td></td>
<td>Technical moldings</td>
</tr>
</tbody>
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