



# FRIESBURGH R&D



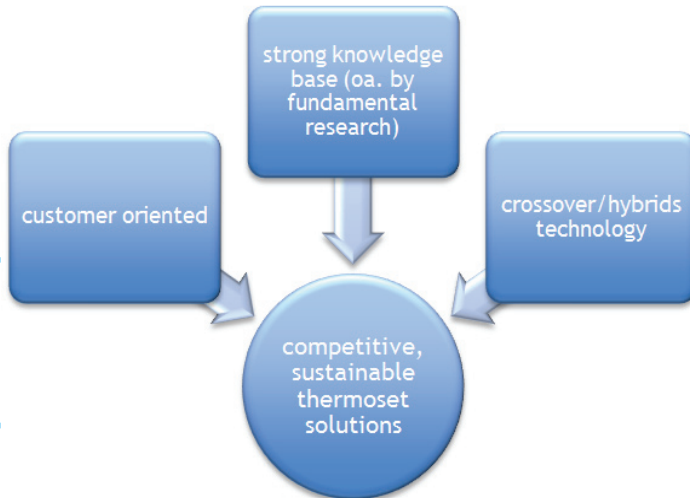
Development of sustainable thermoset solutions  
polyurethanes | phenolics

## Introduction

Friesburgh R&D develops thermoset materials (a.o. polyurethanes and phenolics), and is specialised in rigid polyurethane foam (PUR and PIR). Friesburgh R&D is founded in 2011 by Allard van der Wal (ex Resina/Baysystems).

## Vision

We believe that product development based on a close customer cooperation and a strong knowledge base coming from fundamental research and crossovers/hybrid technology will lead to competitive, innovative and sustainable solutions.



## Activities

Product development of PUR/PIR systems, f.e.

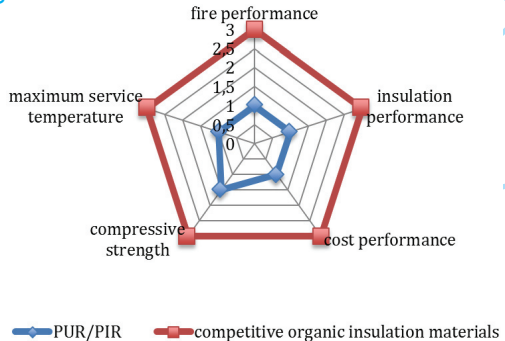
- spray and pour in place systems with high fire rating (B1, Class 1, M1 and D/s2).
- Easy PIR and premium PIR systems for metal panel.
- PIR systems for discontinuous panels and PIR systems for the lamination market.

Product development of raw materials for PUR/PIR systems; f.e new polyesterpolyols with improved cure, adhesion and fire performance for PIR systems.

Product development for phenol foam; f.e. InSitu phenol foam systems.

Research on hybrides: mixtures of different thermosets.

Research on the ultimate properties of polyurethanes; f.e improvement of the fire performance, mechanical properties and thermal conductivity.



## Laboratory

Friesburgh R&D has its own well equipped energy neutral and low emission laboratory (*under construction*).



## Allard van der Wal

After his PhD in 1996 Allard van der Wal started in the polyurethane rigid foam business at Resina and became the R&D manager and one of the share holders. Resina was sold in 2008 to Bayer and renamed to Baysystems. Allard van der Wal left Baysystems at the end of 2010.