

# HYVAC

## Vacuum Fixture Material

### Preliminary Technical Bulletin



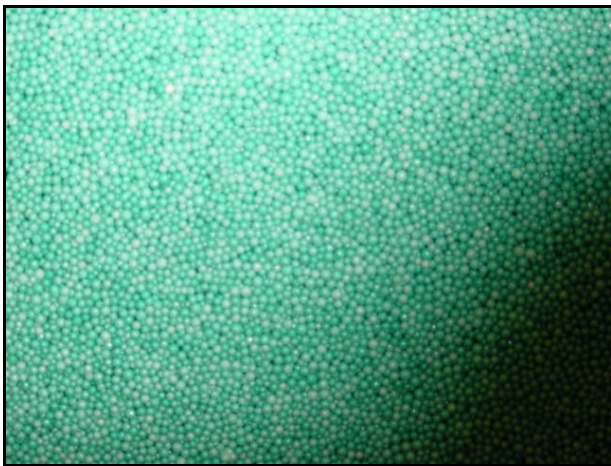
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*Innovative Tooling Materials for Thermoforming*

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### Overview

The new **HYVAC** line of fixturing products provides a fast and economical way to **hold** contoured parts in place during the **trimming operation**. This **porous** material may be easily shaped using existing parts, **eliminating** the need for costly **machining** of large holding fixtures. Its final structure allows vacuum airflow throughout, providing **uniform hold-down** during manual or automated trimming.



**HYVAC** is provided as a simple three-part kit : **resin, catalyst** and fiber reinforced **spheres**. The resin and catalyst are mixed, combined with the spheres, and compacted into a formed part. Following cure, the completed part provides a stiff but **porous structure** that may be installed on an automated router table or manual system. Vacuum air flow through the material holds the part, (and even residual trim) in place during the operation. Once trimming is complete, the vacuum is reduced and the part is removed.



### Typical Properties

Property	Value
Color	Green
Density	12-18 lb/ft <sup>3</sup> 192 -290 kg/m <sup>3</sup>
Compressive Strength (psi)	125 psi 0,866 Mpa
Compressive Modulus	11,000 psi 76,2 Mpa
Service Temperature	240°F 125°C

### Available Forms

**HYVAC** is available in kits of various volumes, as well as pre-cast boards. Please call for details.

[www.hytac.info](http://www.hytac.info)