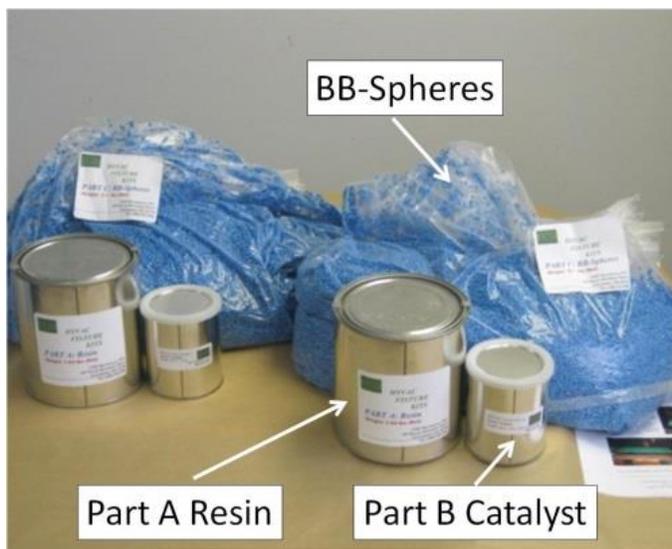


The HYVAC line of fixturing products provides a fast and economical way to hold contoured parts in place during the trimming operation. This porous material may be easily shaped using existing parts, eliminating the need for costly machining of large holding fixtures. Its final structure allows vacuum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

Typical Properties

Color	Blue
Density (ρ)	12-18 lb/ft ³ [192-288 kg/m ³]
Compressive Strength	125 psi [1 MPa]
Compressive Modulus	11,000 psi [76 Mpa]
Service Temperature	240 ⁰ F [115 ⁰ C]

HYVAC is provided as a simple 3-part kit of 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 airflow through the material holds the part (and even the residual trim) in place during the operation. Once trimming is complete, the vacuum is reduced and the part is recovered.



Available forms

HYVAC is supplied in a 0.5 ft³ kit, conveniently separated into two distinct 0.25 ft³ mixtures. (0.25 ft³ is approximately 1.9 gal or 7L.)

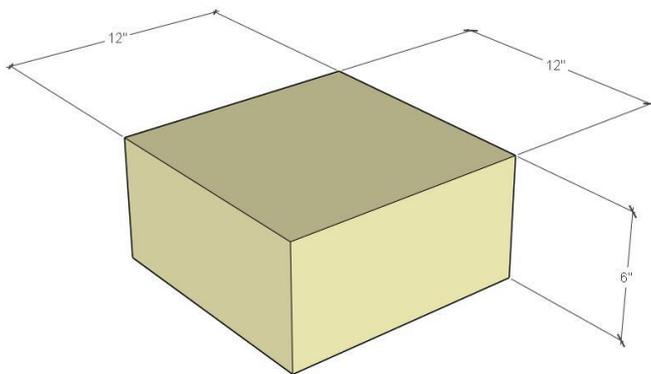


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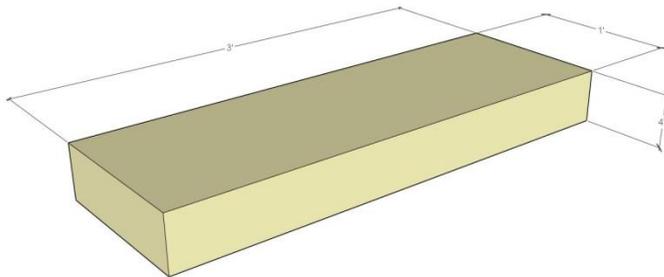
Dimensions and Volume Equivalencies

HYVAC is supplied in a 0.5 ft³ kit, conveniently separated into two distinct 0.25 ft³ mixtures. (0.25 ft³ is approximately 1.9 gal or 7L). The following diagrams are for illustration purposes only.

1 HYVAC kit = 0.5ft³ (14.1L) = 12" x 12" x 6" cuboid/box (305mm x 305 x 152)



2 HYVAC kits = 1ft³ (28.3L) = 36" x 12" x 4" cuboid/box (914mm x 305 x 102)



To determine your specific requirements, calculate the approximate volume of the shape (L x W x D). For estimation purposes, assume the part has a flat bottom and squared sides. Multiply the three dimensions together. If using inches, divide your result by 864. If using centimeters, divide your result by 14,140. This is the number of kits you will need to fill your project.

NOTE: The adhesive used to bind HYVAC material together is a two-part, room temperature cure system. It begins to cure upon mixing and quickly becomes tacky. For ease of use, it is recommended to have all tools, fixtures and needed parts laid out prior to mixing the HYVAC adhesive.

See "HYVAC Mix Instructions" for complete details on how to assemble HYVAC.



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