PRODUCT DESCRIPTION
Viscogel is a two-component, IMO-approved, polyurethane underlayment with viscoelastic properties. Viscogel, as one part in a system utilizing other API USA underlayments, is the ideal solution for sound and vibration dampening from media below. Viscogel, as a part of a complete sound damping system, can be used to decrease sound levels from machinery rooms, busy corridors and discotheques.

PACKAGING
Viscogel is packaged in units for easy handling. Each unit consists of:

(1) 5 gallon pail of Polyol
(1) 1 gallon can in a carton of Isocyanate

COVERAGE
At a nominal 3 mm (1/8 in.) thickness, each unit of Viscogel will cover approximately 5.8 m² (62 ft²). This amounts to an application rate of 3.5 kg/m².

STORAGE CONDITIONS
Store all components of Viscogel between 5 and 30°C (41 and 86°F) in a dry area. Avoid excessive heat and direct sunlight. Do not freeze. The shelf lives of the Polyol and Isocyanate are 3 years and 2 years, respectively, in the original, unopened container.

SUBSTRATE
Viscogel is suitable for application over properly prepared steel, aluminum, concrete or wood surfaces. It is not recommended for use over asphalt, mastic, gypsum-based products, brick or painted surfaces. These must first be removed by mechanical means to expose the substrate prior to overlamet.

SUBSTRATE PREPERATION
Proper mechanical preparation is critical to ensure an adequate bond and system performance. The substrate must be clean, dry and free of contamination before material application. When applying over aluminum, stainless steel, or galvanized substrates, the use of Primer 5 is required immediately after mechanical preparation. Questions regarding substrate preparation should be directed to an API USA representative.

PRIMING/UNDERLAYMENT
The use of Primer per Metalli is required for all applications of Viscogel. The Primer per Metalli must be tack-free prior to Viscogel application.

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tbody>
<tr>
<td>Hardness</td>
<td>75 (ASTM D-2240, Shore D)</td>
</tr>
<tr>
<td>Density</td>
<td>1151.3 kg/m³</td>
</tr>
<tr>
<td>Mix Ratio by Weight</td>
<td>17.7/100 (Hardener/Base)</td>
</tr>
<tr>
<td>Mix Ratio by Volume</td>
<td>6.0/1 (Base/Hardener)</td>
</tr>
<tr>
<td>VOC Content</td>
<td>0 g/L (ASTM D-2369, Method E)</td>
</tr>
<tr>
<td>Percent Solids</td>
<td>100%</td>
</tr>
<tr>
<td>Flash Point</td>
<td>94°C (&gt;201°F)</td>
</tr>
<tr>
<td>Pot Life</td>
<td>30 min (@23°C/74°F)</td>
</tr>
<tr>
<td>Recoat Time</td>
<td>24 hours (@23°C/74°F)</td>
</tr>
<tr>
<td>Cure Rate</td>
<td>8 hours for initial set, 24 hours for light traffic, 7 days for ultimate physical properties</td>
</tr>
</tbody>
</table>

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory environment. Values obtained on field applied materials may vary, and certain test methods can only be conducted on lab-made test coupons.

MIXING VISCOGEL
Proper mixing is critical for the products to exhibit the proper application, cure and physical properties.

1. If the base shows signs of separation, pre-mix with a heavy-duty, slow-speed drill (400-600 rpm) with a Jiffy Mixer until homogenous.
2. Pour the hardener into the pail containing the base, scraping any residual hardener from the bottom and sides of the pail. Mix for 90 seconds.

APPLYING VISCOGEL

1. Pour the contents of the pail into a bead on the floor where it can be applied.
2. Apply the material to the substrate using a 6 mm x 6 mm (1/4 in. x 1/4 in.) notched trowel. To achieve the proper thickness, hold the trowel at approximately 45°, applying medium pressure over the surface of the substrate.
RECOMMENDATIONS

- Apply only to clean, sound, dry and properly prepared substrates.
- Application and curing times are dependent upon ambient and substrate conditions.
- Minimum ambient and substrate temperatures are 5°C (41°F) at the time of application. However, it is not advisable to apply the material if the temperature is below 10°C (50°F).
- Maximum ambient and substrate temperatures are 35°C (95°F) at the time of application.
- Substrate temperature should be greater than 3°C (5°F) above the dew point.
- Do not apply material if the relative humidity exceeds 85%.
- Dispose of waste materials in accordance with government regulations.
- Clean all equipment immediately after use with scouring pads and acetone. Hardened material will require mechanical means for removal.

PRECAUTIONS

- The use of safety glasses and impervious gloves is required during application.
- Avoid contact with all liquids as they may cause skin and/or eye irritation. In case of contact, flush the area with copious amounts of water for at least 15 minutes and seek medical attention.
- Wash hands thoroughly with soap and warm water after use.
- Use only with adequate ventilation.