Polymer Emulsions and Industrial Adhesives

When you “Stick” with Halltech you’re sticking with quality
With our state-of-the-art manufacturing facility, technical expertise and our ability to formulate products to specific customer requirements, we are able to service a wide variety of industries with competitive priced product in volumes as low as 20-litre pails through to Bulk Tanker loads. Additionally, with our distribution line of Hot Melt Adhesives and Solvent Based Adhesives we are sure to have a solution for your needs.

Our 70 years of commitment to Research & Development extends beyond a general approach to market needs. Our innovative solutions focus on each of our customer’s specific requirements. If we haven’t as yet developed the right solution for your application, we are able to formulate products to provide the best Polymer Emulsion or Adhesive for your specific end use.

Our pride is our Customer Service where together with Technical Support every effort is made to ensure that our customers are always satisfied and their needs addressed.

We encourage you to contact us for more information on our products and how we can best assist you.

History

Halltech Inc. is an ISO-9001 manufacturer of Polymer Emulsions and Industrial Adhesives, with its head office and manufacturing facility located on 18 acres of land in Toronto, Canada and a sales office, with warehousing, in Quebec.

Halltech Inc. was established in 1981, although our business dates back to 1934 when the company first entered the Ontario market, as Stein-Hall Limited.

In 1984, Polycol was purchased by Halltech Inc. in order to increase our presence in the Quebec market. Polycol has been servicing the Quebec market with quality adhesives since 1965 and their commitment to Customer Service and Quality Product was seen as a natural fit.

What we do

We manufacture a wide variety of products that cover a broad spectrum of applications.

Some of the industries we service are as follows:

- **Emulsion Polymers** – paint, specialty paper, construction, adhesive, pressure sensitive adhesive and textile industries.
- **Adhesives** – automotive, packaging, construction, and woodworking industries.

Over 70 years of research & manufacturing experience has made Halltech a proven supplier of superior quality products that always exceed customer expectations.

Capabilities

With over 80,000 ft² of manufacturing and warehousing space, we are able to produce over 75,000,000 lbs/year of product to meet any need that you may have.

Our packaging capabilities, allows us to provide our customers with a wide range of choices from pails up to bulk shipments.

We currently ship product throughout North America and export to Europe, Asia and Australia.

- **Equipment:**
  - 5 Reactors (2,220 / 6,000 gal)
- **Storage Tanks:**
  - Finished Goods - 16 Tanks (5,000 / 12,000 gal)
  - Raw Material (Monomers) - 7 Tanks (10,000 / 22,000 gal)
  - Raw Material (Other) - 8 Tanks (5,000 / 14,500 gal)
- **Rail line on site**
Polymer Emulsions

Halltech Inc. offers a wide range of specially formulated line of high performance Polymer Emulsions for use in the coatings, paints, adhesives, non-woven textiles paper, building construction and other specialty materials that help you improve your products and processes. We offer:

- Vinyl acetate homopolymers (PVAc)
- Vinyl acetate copolymers, vinyl acrylics, veova, etc.
- Pure acrylics, styrene acrylics
- Specialty polymers

Specialty adhesives and heat seal coatings

VINREZ 202AP
3500 - 4500 54 - 57 4.0 - 5.0 Nonionic 2.0 34.0 1.10 Unstable Stable

VINREZ 202AF
2500 - 3500 54 - 56 4.0 - 5.0 Nonionic 2.0 34.0 1.10 Unstable Stable

VINREZ 1252
20,000 - 40,000 50 - 53 5.0 - 6.0 Nonionic 1 25.0 1.09 Unstable Stable

VINREZ 1253
200 - 600 50 - 53 4.0 - 5.0 Anionic 0.8 24.0 1.10 Stable Stable

COPOLYMERS

VINREZ 663 V15
1500 - 2500 54 - 57 4.2 - 5.2 Anionic 0.35 18.0 1.09 Stable Stable

VINREZ 1219K
< 500 45 - 47 4.0 - 5.5 Anionic 0.25 -23.0 1.08 Stable Unstable

HP 38-19MV22
2000 - 2400 54 - 56 4.5 - 6.5 300  10 - 13 Pet Food Bags, Blended Adhesives.10 Minutes

HP 31-316
1000 - 2000 49 - 51 4.2 - 5.2 Anionic 0.32 25.0 1.09 Stable Stable

HP 9-10 PG
< 500 46 - 50 4.0 - 6.5 Anionic 0.25 15.0 1.09 Stable Stable

Pressure Sensitive Adhesives

Halltech Inc. produces a complete line of high-performance water based Pressure Sensitive Adhesives specialized for use in the packaging, and durable goods industries for foils and films, tapes and labels. Our adhesives offer various combinations of peel, tack and shear strength for your specific application.

- General Purpose PSA
- Plasticizer migration resistant for vinyl film and labels
- Low temp for freezer labels to -50c
- Removable and repositionable labels
- Clear labels for plastic or glass bottles and containers
- Can be used to manufacture blended adhesives or for bonding carpet tiles or as general purpose psa
- Used for lint rollers, or to manufacture blended adhesives for packaging

Halltech will custom manufacture emulsions to suit customer’s needs.
Acrylic & Styrene Acrylic Copolymers

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>BASE POLYMER</th>
<th>VISCOSITY</th>
<th>SOLIDS</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUPERGRIP 1103</td>
<td>Copolymer Emulsion</td>
<td>450 - 550</td>
<td>49.0 - 53.0</td>
<td>Fast setting, Clean running for bonding difficult surface. Suitable for extrusion applications.</td>
</tr>
<tr>
<td>SUPERGRIP 1159</td>
<td>Copolymer Emulsion</td>
<td>4900 - 5500</td>
<td>57.5 - 60.5</td>
<td>Fast Grabbing, excellent wet tack, multi-purpose contact adhesive.</td>
</tr>
<tr>
<td>SUPERGRIP 1107</td>
<td>Copolymer Emulsion</td>
<td>1200 - 1800</td>
<td>5.0 - 54.0</td>
<td>Fast backing, high solids multi-purpose adhesive. Excellent adhesion on many UV, Poly coated and other difficult to bond substrates in folding carton trade.</td>
</tr>
<tr>
<td>SUPERGRIP 1193</td>
<td>Copolymer Emulsion</td>
<td>350 - 450</td>
<td>5.4 - 5.7</td>
<td>Multi-purpose adhesive with excellent adhesion to a variety of substrates including foil, paper, metal, PVC and most plastics. Suitable for film or foil laminating.</td>
</tr>
<tr>
<td>TS482</td>
<td>Copolymer Emulsion</td>
<td>1160 - 1440</td>
<td>5.4 - 5.7</td>
<td>Adhesive for boards with difficult to bond surfaces including clay, plastic coatings, UV coating and aqueous coating.</td>
</tr>
<tr>
<td>HALLTAK 2595XKHS</td>
<td>Acrylic Emulsion</td>
<td>3000 - 3800</td>
<td>5.0 - 5.7</td>
<td>Water based adhesive for boxes and cartons. Excellent machinability and adhesion to a variety of films. Suitable product for freezer-pack boxes.</td>
</tr>
</tbody>
</table>

WOOD ADHESIVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESICOL 360</td>
<td>Excellent general purpose wood working adhesive. Formaldehyde free. Passes test method ASTM-297 and CSA standard 0112-M.</td>
</tr>
<tr>
<td>SUPERSET 1071</td>
<td>Fast drying assembly wood glue for hardwoods. Formaldehyde free.</td>
</tr>
<tr>
<td>HP2-014C</td>
<td>Passes Type-I water resistance wood adhesive test.</td>
</tr>
</tbody>
</table>

COLD SEAL ADHESIVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALLTEX 3299</td>
<td>Synthetic Elastomer</td>
</tr>
</tbody>
</table>

PARQUET ADHESIVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO-500</td>
<td>Prefinished Parquet adhesive for indoor, above grade use.</td>
</tr>
<tr>
<td>PRO-766</td>
<td>Prefinished Parquet adhesive for indoor, above grade use.</td>
</tr>
</tbody>
</table>

HALLTECH INC. makes over 200 adhesives, consistently performing across a wide range of industrial applications, which often must be tailor made to meet the precise requirements of our customers.

Industrial Adhesives

Halltech Inc. has a long history as a leader in the developing and manufacturing of high quality Industrial Adhesives for use in a variety of applications ranging from packaging, woodworking, construction, paper converting, bag laminating and envelope / direct mail systems. Our strong customer focus, along with our drive for innovation and continuous improvement has contributed to our steady growth and presence.

We support this process by polymerizing our own basic raw materials, for our synthetic adhesive line, thus enabling us to tailor products to tight specifications.

We Offer:
- Synthetic Adhesives (PVA Copolymer, EVA)
- Water Based Contact Cement
- Solvent Based Contact Cement
- Dextrim Based Adhesives
- Hot Melt Adhesives
- Latex Based Adhesives