THE REVOLUTION IN WATERPROOFING

Hydropstop combines the benefits of both polyurea and polyurethane in one product extremely easy application and excellent waterproofing on the most difficult surfaces.
Polyurethane is the most effective and easily applicable product for waterproofing. Unfortunately, it has some disadvantages like bubbling, temperature, and sensitivity. Polyurea in its own right has very good properties but is expensive as a product with much difficulty in its application. Hydrostop is a new innovative product, which has the advantages of both polyurea and polyurethane.

Which means:

* Easy application
* Excellent chemical resistance
* Excellent mechanical properties
* Can be applied on any surface

**Synopsis**

Hydrostop is the new and innovative product from Continental Coatings Inc. USA and Rainbow Paints, that came after many years of research. Hydrostop is a product that can be used in almost every waterproof application without the need for extra materials to fill the gaps, corners, or uneven surfaces.

Hydrostop is a single component, moisture curing polyurethane/polyurea liquid applied membrane, with excellent chemical resistance and mechanical properties. It has very high abrasion resistance and is specially designed for difficult and demanding waterproofing applications.

**Application**

1. It can be applied in roller, brush, or trowel.
2. Airless spray (10% No.736)
**Function**

*Waterproofing for:*
1. Gypsum and cement boards
2. Polyurethane insulation foams
3. Flat roofs
4. Roofs with inclination
5. Bathrooms
6. Light roofing made of metal or fibrous cement
7. Asphalt membranes
8. EPDM membranes
9. Concrete Tanks
10. Refinery steel tanks
11. Stadium sands
12. Bridge platforms
13. Tiles (under)
14. Flashings
15. Wall-floor connections
16. Pipes
17. Gutters
18. Cementitious substrates
19. Basements
20. Foundations
21. Closed spaces with high humidity
22. Complex structures (excellent rheology)
23. Walls
24. Planters boxes
25. Swimming pools

**Hydrostop use**

Specific weight: 1.3 gr/cm²
Solids: Above 90%
Viscosity: 2000-8000 cps (25°C)
Optimum Film Thickness: 1-2mm
Potlife: Within 2 hrs (25°C)

**Hydrostop Application procession**

1.5mm rooftop waterproofing & directions for use

Sky garden plant waterproofing

Bathroom floor waterproofing & directions for use

Old PU waterproofing layer
**Characteristics**

*Thixotropic*, can be applied on any complex structure, assuring completely seamless and homogenous covering of uneven concrete surfaces that are usually encountered on bridge decks or vertical surfaces, swimming pools and tanks. Thixotropic: Easily applied on vertical surfaces and complex shapes without running or bubbling even in high quantity.

*Excellent mechanical properties.*
High elasticity, tensile and tear strength both in high and low temperature. Can even withstand the stresses of heavy asphalt application machinery.

<table>
<thead>
<tr>
<th>Time Item</th>
<th>Test Method</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness (Type A/1 sec)</td>
<td>ASTM D2340-15</td>
<td>40</td>
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<tr>
<td>Tensile Strength (kgf/cm2 (23°C))</td>
<td>ASTM D412-16 (Die C * V=500mm/min)</td>
<td>23.8</td>
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<tr>
<td>Elongation (%) (23°C)</td>
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<td>720</td>
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<tr>
<td>Tensile Strength (kgf/cm2) (-40°C)</td>
<td>Ref. ASTM D412-16 (Die C * V=500mm/min)</td>
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<tr>
<td>Elongation (%) (-40°C)</td>
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<td>200</td>
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<tr>
<td>Adhesion Strength (kgf/cm2)</td>
<td>Mortar, Steel plate</td>
<td>Ref. ASTM D4541-14a</td>
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<tr>
<td>Tear Strength (kgf/cm)</td>
<td>ASTM D624-06/2012 (Die C * V=500mm/min)</td>
<td>24.4</td>
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<tr>
<td>Water Resistance (70°C ±48 h)</td>
<td>Ref. ASTM D471-16a</td>
<td>No abnormality</td>
</tr>
<tr>
<td>Chemical Resistance (23°C ± 24h)</td>
<td>5% NaOH, 5% H2SO4, 5% HCL</td>
<td>ASTM D543-14</td>
</tr>
</tbody>
</table>

*Excellent chemical resistance.*
Can withstand chlorine and salts that are commonly found in bathroom, tanks, swimming pools etc.

*Aging Test*

Displays **crack bridging properties** over a widerange of extremely high and low temperature.

* Can be used from **-40°C to 80°C**

**Packaging**
No.789 is supplied in metal containers of 3kg and 10kg.

**ECO friendly**
NO Bitumen, Coal tar, Aniline in product additives. Hydrostop composed of high quality resin and Eco friendly additives. We do believe that products have been designed to do the least possible damage to the environment and human healthy.