

Technical Data

INTELLATHANE® 520 HP

DESCRIPTION:

Intellathane® 520 HP is our latest urea-urethane hybrid coating that almost achieves the performance of 100% polyurea systems. Intellathane® 520 HP is our highest concentration percentage hybrid available. This systems meets USDA approval for incidental food contact under all USDA approval top coatings.

UNIQUE PROPERTIES:

Moisture Sensitivity Reduction: Intellathane® 520 HP original use of polyurea-urethane hybrid chemistry. Polyurea chemistry reduces moisture blowing during cure. That means better performance and long term wear properties.

High Physical Properties: Intellathane® 520 HP produces a tough membrane with excellent low temperature flexibility and high tensile strength. Substrates coated with these systems have excellent chemical resistance and abrasion properties.

Easy Application: Use of polyurea chemistry allows Intellathane® 520 HP to be applied in lower ambient temperatures and higher relative humidity conditions then other urethane coatings. These systems can be applied in ambient temperatures down to 45°F and in relative humidity up to 99% without adverse environmental effects.

Free of Volatile Organic Compounds: 100% solid and fast cure products a high build membrane in seconds. Intellathane® 520 HP has over 25+ years of proven field performance as the ultimate maintenance coating.



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Color Retention: Intellathane®520 HP systems offers improved color retention and protection from sun utilizing the highest grade of pigments and additives. In addition, the Ultra-violet protectants in the system improves color retention by protecting the polymer resin from both UV light and harmful oxidation extended color retention of the finished product up to (3) three times as long as current industrial standards (see chart attached). It will not develop to a chalk-like film on the surface of the finished product thus increasing the aesthetic desired by end customers.

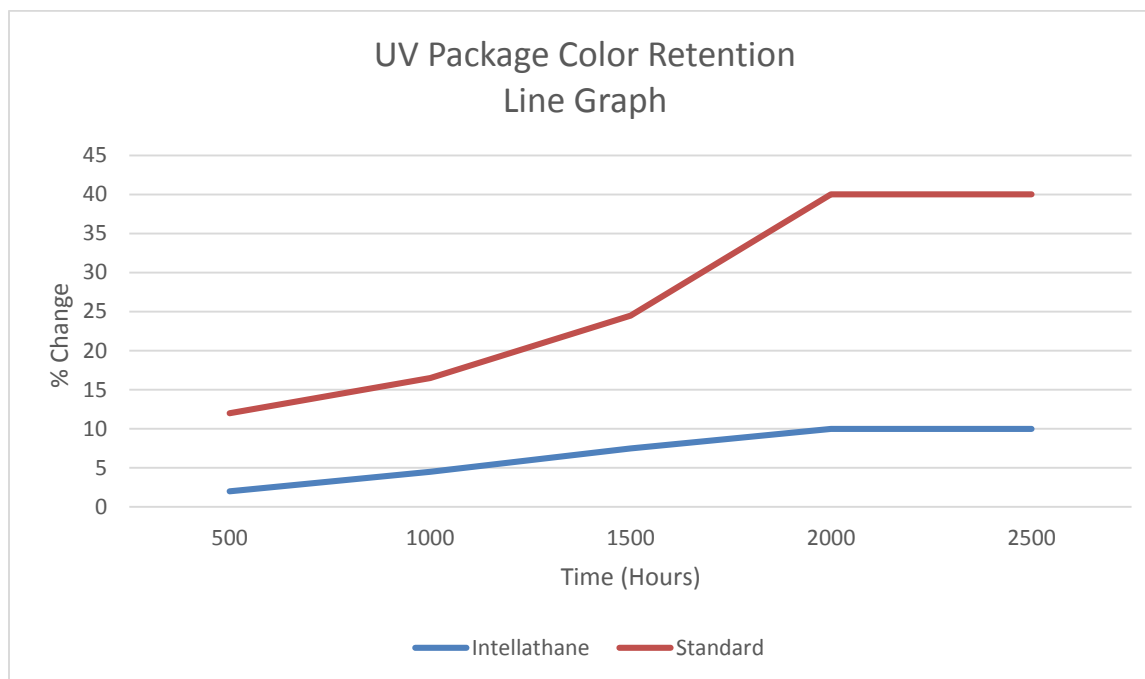
PHYSICAL PROPERTIES:

| Liquid Components: | A Component | B Component |
|------------------------------|--------------------|--------------------|
| Viscosity | 350 cps | 350 cps |
| Weight per gallon | 9.9 lbs. | 8.5 lbs. |
| Ratio by volume | 50 | 50 |
| Cured Resin: | Values: | |
| Gel Time | 5 seconds | |
| Shore A | 95 A | |
| Tensile Strength | 2500 psi | |
| % Elongation | 290 % | |
| Specific gravity | 1.02 | |
| Color standard | variable | |
| Tear Strength | 380 pli | |
| Coverage (mils/100 s.f./gal) | 16 | |
| Solid Content | 100% | |



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STORAGE AND USE:

Filled and pigmented resins will separate upon storage. Premix the B component prior to use each day.

Urethane resins are sensitive to moisture and must be kept dry at all times. It is recommended that nitrogen blanket be applied to open drums in use. Keep materials tightly sealed in a dry environment, stored between 70 ° and 90° F.

Intellathane® 520 HP components are temperature sensitive and will freeze. Should the components freeze they can be heated to 100° F and remixed prior to use. Storage of the A component below 55° F will lead to reduced product performance.

WARNING: Do not reseal isocyanate drums if exposed to moisture as pressure may develop and rupture the drum. See MSDS and labels for more information.



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Call **Accella Polyurethane Systems** for technical questions. 770-607-0755.

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