

Cardboard boxes have become the gold standard for moving products around the world. These boxes however become weak and destroyed when subjected to humid or wet conditions. The coating consists of a recyclable powder that can be rubbed or sprayed onto any corrugated or paper based substrate.

With the addition of Pipedream's super hydrophobic surface coating, cardboard boxes now contain a vapor barrier that is superhydrophobic. This now allows cardboard boxes to leave and enter refrigeration repeatedly without moisture damaging the box and the products inside.

The hydrophobic surface coating attaches instantly and requires no curing or drying making it ideal for high velocity applications where drying stations cannot be added. Due to the lightweight nature of the coating, there is no significant change to the weight of the cardboard box.

The roll off angle for the coating is less than 6° making the surface self-cleaning and preventing any liquid from sticking to the surface and damaging the box.

The coating is FDA compliant and is considered safe for food contact.