

## HoldTight® 102 Tech Facts

**Q:** Does HoldTight® 102 contain VOC's?

**A:** No it does not.

**Q:** What is the pH of HoldTight® 102?

**A:** In its fully concentrated state it is 10.2. However, when diluted at our typically recommended levels of 100:1 or 50:1, it is neutral - 7.

**Q:** What is the lowest dilution rate recommended with water?

**A:** The lowest dilution rate recommended is 25:1. Typically, HoldTight® 102 is diluted 50-100:1 as stated in our product data sheet. However, a further decrease in HoldTight® 102 dilution rates will only be effective to its saturation point (~25:1) and still combat high levels of salts/contaminants and remove heavy hydrocarbon contaminants. After the saturation point, decrease in dilution rate will not help with salt/contaminant removal and will slow down the evaporation of excessive HoldTight® 102 on the surface that could lead to low levels of residue which may cause staining and spotting.

**Q:** What level of water quality is best when using HoldTight® 102?

**A:** HoldTight recommends using potable water for dilution of HoldTight® 102. If potable water is not available or is questionable then the contaminant level needs to be regulated for total hardness, conductivity and pH as listed below:

- Total hardness < 60 ppm
- Conductivity < 350 µS/cm (microseimens per centimeter)
- pH between 6.5 - 7.5

HoldTight Solutions offers a water quality test kit known as HoldTight WQ and is available by visiting our website ([www.holdtight.com](http://www.holdtight.com)).

Before dilution with HoldTight® 102, water treatment can be used to regulate these levels. Various ion exchange resin units are available to soften the water. Reverse osmosis process can also be used to treat the water along with desalination which will regulate the pH and chloride levels. Some commonly used water treatment devices are available from Culligan and US Water Filter which can be delivered to the jobsite and installed directly in-line before the dilution step.

**Q:** What is the maximum allowable level of conductivity on clean surfaces that are recommended for a suitable application of a coating?

**A:** This is typically determined by either the coating supplier, coating specification writer and/or the owner of the asset. Currently there are no published industry standards.

**Q:** What are other relevant technical details for HoldTight® 102?

**A:** It is 100% soluble in water and is odorless, clear in color, biodegradable and non-toxic. It also has a:

- Flash point of 400°F/204°C
- Freezing Point of 23°F/-5°
- Boiling Point of 212°F/100°C