

## Water Wettability Test

The water wettability test is an effective test to evaluate the wettability of the substrate you will be coating with any AquaSurTech coating.

After the substrate to be coated has been prepped thoroughly in accordance to AquaSurTech's recommended directions, water can provide instant visual feedback as to the wettability of the substrate before the application of AquaSurTech coatings.

Ideally with the use of distilled water (if not, then bottled water would be the next best option), pour a small amount of water (100 mils) over the desired area and visually inspect the results. Positive results indicate a "wetable" substrate that is ready for coating with AquaSurTech coatings. Negative results indicate a "non-wetable" substrate which will require further preparation before application of AquaSurTech coatings.

As the water is poured on, if it beads up – does not wet out – it is a negative result and indicates that the substrate will require more preparation to ensure a proper bond is achieved.

If the poured water flows out in all directions – and does not pull back and / or result in any voids within the sheet of water – it is a positive result and indicates that the wettability of the substrate is acceptable for a proper bond to be achieved.

Furthermore, as the water is wiped off the substrate, a wettable substrate will still appear damp with traces of water absorbed into the surface. A non-wetable substrate will be wiped dry with no traces of the water, indicating no absorption, evidencing the water simply sitting on the top of the surface.

It is critical to note that this test can only be performed on a clean surface. If any dirt, sanding dust, Vinyl Kleen or Vinyl Prep, or any other foreign substrate sits on the substrate being tested, a false "wetable" reading may be generated. Be sure to only conduct this after all the steps of the recommended preparation have been thoroughly followed.

This test will indicate whether the whole surface of the substrate needs to be performed with more vigor or if perhaps specific areas of the substrate require more attention in preparation.