Quick tips for cold applied liquid membrane waterproofing type installations

When installing cold applied liquid membrane waterproofing on your project, please review these few items with your team as soon as possible.

① Concrete form oil must be compatible with the waterproofing. *Always have the waterproofing Manufacturer review the form oil being used.*	② Concrete should be cured for at least 3-7 days, *depending on manufacturer and material.* *Review your schedule!*	③ Concrete should have a Surface Finish 3.0/Surface Tolerance Class A, which includes no projections greater than 1/8". *Discuss with your Concrete contractor*
④ Voids in the substrates are to be avoided…the membrane must be against something solid. Plan to fill all voids such as form ties and honeycombing. *Honeycombing needs to be chipped out and properly filled.*	⑤ Typically, we should plan on a drainage board for protection and make sure that the moisture flows to the drain tile. *The drainage board should be against the membrane for positive water flow.*	⑥ We should be protecting the membrane during the entire construction. *This means that we should have protection above the membrane 12"-24" until backfilling procedure is complete*
⑦ Typical temperatures are 40°F and rising. Low temp material could be 10°F-25°F. *Discuss with the specific manufacturer.*	⑧ Wet mil gauges should be used periodically to verify proper thickness. Review specific manufacturer to determine max thickness per lift of material. Multiple lifts will likely be needed	⑨ These types of membranes are typically self-terminating. Review with the specific manufacturer
⑩ Concrete on the East, West, and South elevations must be kept in the shade and protected from the sun once installed, in order to prevent excessive heat and bubbling of the membrane until proper cure.	⑪ The Manufacturer must be consulted when installing sealant or mastic on and below the membrane. *The cure time of the material when going under the membrane must be determined.*	⑫ Discuss with MEP trades for minimum distance between pipe penetrations. *(Typically, 3"-4" distance between pipes will be needed).*