

Insulated Concrete Forming and Blueskin® WP 200 Self-Adhesive Waterproofing Membrane

With the increase in this type of form system seen in the last few years, some potential issues have become apparent.

- **Concrete Placement**- Consolidation by vibrating, must be done carefully to avoid damage to the polystyrene forms. Typically a smaller, less aggressive vibrator is used. Very fluid concrete mixes with super-plasticizers and smaller aggregate are used. Care must be taken around the plastic webbing to ensure proper consolidation.
- **Adhesion to forms**- The forms often become quite dusty during job site assembly and during subsequent pouring of concrete. Use **Aquatac™** to seal the dust and enhance membrane adhesion. **Aquatac™** is water-based and will not damage the polystyrene. If the temperature is below freezing at the time of application, the area should be hoarded and heated. Alternately, in cold weather or when a primer with a more aggressive tack is desired, use **Hi-Tac™ Primer**, a solvent-based primer that is polystyrene compatible at temperatures below 25°C.
- **Pressure** - Firm pressure is necessary to ensure 100% adhesion of the membrane to the substrate. The best method is to roll the membrane from the center to the outside with a rubber or steel wheel roller. **Hand pressure is not sufficient.**
- **Top edge seal** - Seal the top edge of the **Blueskin® WP 200** with **Aqua-Bloc® 720-38** as described on the **Blueskin® WP 200** data sheet. **POLYBITUME® 570-05** can attack the foam and should not be used. **Aqua-Bloc® 720-38** can also be used to make a fillet at the base of the foundation wall. Allow to dry thoroughly before completing the **Blueskin® WP 200** installation.
- **Parging** - Fasten **YELLOW JACKET 990-06 Reinforcing Fabric** through the **Blueskin® WP 200** where parging is required in such areas as above finished grade.
- **Exposure** - **Blueskin® WP 200** is not designed for permanent exposure and should be covered as soon as practical after installation.
- **Backfill** - When the trench is backfilled, any construction debris has the potential to damage the **Blueskin® WP 200** and the polystyrene. Even with protection boards damage can still occur. Care must be taken during backfill to avoid placing any potentially damaging material. Use a strip of **Blueskin® WP 200** along the top of the protection boards to keep backfill from getting in between the protection board and **Blueskin® WP 200** membrane.
- **Draining water away from foundation** - For extra security, use **Bakor DB** (drainage board) – a prefabricated drainage composite board. **Bakor DB** enhances the performance of the waterproofing membrane by directing water away from the foundation wall to a drain or drain system.

