

ARDEX TANKING MEMBRANES CPD SUMMARY INFORMATION

Various tanking membrane systems are available they include:

- Positive side: Installed to the wall post wall construction on the external of the building
- Negative side: Installed on the inside face of the wall - typically as a solution to a wall that is leaking
- Blind side/Pre-Applied: Installed onto shotcrete/sacrificial form work before the wall is constructed

Four membrane categories and considerations:

Liquid applied - Urethanes, rubbers, plastics and modified bitumen emulsions

- Is it the right product for the right situation and does it have the required testing?
- What is the expected life span?
- Will it withstand hydrostatic pressure?
- How to ensure the installer applies the right film build?
- Does it meet B2- 50 years?
- Concrete block walls should be rendered first to minimise risk of cracking along mortar joints
- Detailing changes in direction and expansion joints is critical

Sheet applied - Thermoplastics, vulcanised rubbers, rubberised bituminous membranes

- Is it the right product for the right situation?
- Has required testing i.e., geothermal, methane, radon
- Installed by an approved installer?
- Does it meet B2- 50 years?
- Fully adhered with seams fully bonded - reduces the risk for lateral migration should a leak ever occur
- Detailing of changes in direction and expansion joints is critical

Bentonite clay - sodium bentonite and applied onto a carrier fabric

- Is it the right product for the right situation and does it have the required testing?
- Must be installed by an approved installer
- Sheets correctly overlapped and pinned?
- If not confined, it may shrink upon drying creating gaps causing the waterproofing to fail
- Waterstop bars are critical

Cementitious systems - cement combined with an active waterproofing agent

- Is it the right product for the right situation?
- Must be installed by an approved installer
- If the structure moves and cracks this generally renders the waterproofing null and void
- Detailing



THANK YOU FOR ATTENDING!
