METHOD STATEMENT
SIKABIT® W-15 FOR BASEMENT
SIKA LIMITED (VIETNAM)
1 SYSTEM DESCRIPTION

SikaBit® W-15 is a double-sided modified bitumen waterproofing membrane for wet-application. It consists of a cross-laminated PE film and two modified bitumen layers covered with transparent release liners.

2 CHARACTERISTICS / ADVANTAGES

- Safe, easy and fast installation
- No need for special equipment
- Direct application on wet substrate
- Excellent initial and long term adhesion
- Full surface bonding
- Zero water underflow
- Crack-bridging ability
- High tear resistance
- High puncture resistance
- Resistant to chemical corrosion

3 APPLICATION

There are two application methods of SikaBit® W-15: Pre-Application and Post-Application.

- Pre-Application method applies for waterproofing below foundations and base slabs...
- Post-Application method applies for waterproofing of walls, podium slabs, concealed roof...

3.1 SURFACE PREPARATION

Pre-Application
- Prior to the installation of SikaBit® W-15, a layer of very smooth and solid cement concrete is required as a substrate.
- No standing water is allowed.

Post-Application
- Concrete surface must be clean and free of protrusions.
- All protrusions shall be removed by mechanical tools.
- Concrete substrate must be saturated by water before installing SikaBit® W-15.
3.2 PRE-APPLICATION

For basement slab

- Unroll and align SikaBit® W-15 membrane to the substrate.
- Using a roller to press firmly the long overlap edges together. The long edges of the membrane are overlapped by min. 80 mm.
- The short edges of the membrane are overlapped in the same way.
- The overlaps need to be staggered.
- A modified cement concrete screed is applied to all horizontal areas after removal of the release liner to protect the SikaBit W-15 membrane.
3.3 POST-APPLICATION

For basement wall

- Apply bonding slurry SikaBit-1 to the substrate with consumption of approx. 2.0 to 3.0 kg/m² (depending on substrate condition).
- Unroll the SikaBit® W-15 membrane, then remove the release liner.
- Press the membrane into the fresh slurry.
- Using a roller to press firmly the long overlap edges together after removal of the release liner. The long edges of the membrane are overlapped by min. 80 mm.
- The short edges of the membrane are overlapped in the same way.
- The overlaps need to be staggered.

3.4 CURING

- It takes a few days for the bond strength between the membrane and concrete substrate to fully develop.
- The installed SikaBit® W-15 shall be protected against mechanical damage with a suitable protective layer.
LEGAL NOTES

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