Bituminous Geomembrane (BGM)

Coletanche® BGM liner is compatible with most substrates: It will accept movement of the terrain and differential settlement

1) Laying rolls of Coletanche®
A manual or hydraulic beam is used to unroll a BGM liner. Installing the liner is straightforward and can be done by a small trained team.

2) Torching the membrane
The seams are welded with gas or hot air torches. The protective film must be removed first from the overlapping zone.

3) Anchorage and joining the liner
BGM can also be directly welded to concrete substrates. The flexibility of BGM liners offers easy welding solutions to metal manhole covers, other types of membranes, PVC pipes, metal poles and more.

4) Quality Control of the waterproof geomembrane
There are two types of controls according to contract specifications and/or client requirements:

• Quality control of all weldings
• Static monitoring of a predetermined percentage of length of weldings.
In any event, a systematic control of initial weldings should be carried out

5) Backfilling the liner
BGM liners can be used under most coatings:

• HMA surfacings, bituminous mixtures, mastic asphalt
• Concrete and interlocking paving stones
• Ballast (when using COLETANCHE® NTP4)
• Under other geomembranes made with different materials.

On-site technical assistance
Nilex works with the manufacturer to provide technical assistance from the beginning to the end of every project. This includes technical documents, special equipment, training, and seam monitoring using ultrasonic or vacuum bell jar tests.