

Preflex + Graviflex

Waterproofing system for roof gardens and multi-use flat roofs



- ▶ Universal system for different uses on the same flat roof that can be used on a combination of areas: planted, access for pedestrians, access for light vehicles, inaccessible areas with gravel or self-protected...
- ▶ Continuous waterproofing system that can receive, juxtaposed, the direct application of all the corresponding additional protective finishes
- ▶ Very high mechanical and chemical resistance due to the SBS elastomeric compound
- ▶ Excellent durability

Packaging

■ Preflex

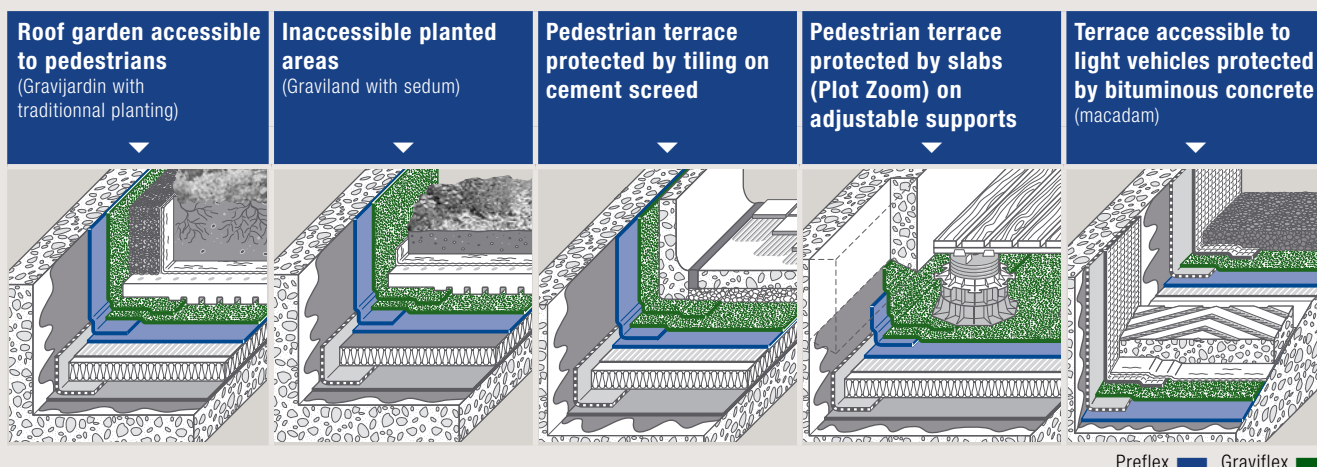
Roll of 10m x 1m ▪ Weight: approximately 37.5kg

■ Graviflex

Roll of 8m x 1m ▪ Weight: approximately 38.5kg

Main uses

- Waterproofing of roof gardens or flat roofs with different uses: planted areas, access for pedestrians, access for light vehicles.
- On wood or concrete decks.
- On thermal insulation boards that are suitable for these purposes.
- With protection: soil or growing medium, paving on corner supports, block paving on sand, bitumen macadam, gravel ballast, etc.



Description

Preflex

- SBS elastomeric bitumen compound: 3,600g/m².
- Thickness: 3mm.
- Non-woven polyester reinforcement: 120g/m².
- Surface & underside with fusible film.

Graviflex

- SBS elastomeric bitumen compound with root-inhibiting additive: 3,700g/m².
- Thickness: 3.2mm
- Non-woven polyester reinforcement: 180g/m².
- Surface with slate flake overprotection (Light Grey 1).
- Underside with fusible film.

Performances

	Preflex	Graviflex
Tensile strength (N/5cm) LxT*	550 x 350	900 x 600
Elongation at break (%) LxT*	40 x 40	40 x 45
Cold flexibility (°C)	≤ -20 °C	≤ -20 °C
Static puncture resistance (kg)**	≥ 15	≥ 25

* average values

** when combined with a 50g glass fleece reinforced membrane

Application

Full bonding or partial bonding are allowed; partial bonding by torching through the Perfader perforated underlay is used on roofs that are accessible to vehicles (with a bitumen concrete or macadam course).

Main areas

The Graviflex system comprises two waterproofing membranes: Preflex and Graviflex bonded together by torching. On main areas, Preflex can be replaced by the Paradiene S VV underlayer or again by Paradiene VV bonded with hot bitumen (on roof gardens only).

In all cases, the Graviflex top layer is fully bonded to the underlayer by torching.

Upstands

The upstands on roof gardens and green roofs always comprise a first Preflex underlayer and a Graviflex top-layer (torched).

The upstands on flat roofs that are accessible to pedestrians or light vehicles can be as just described.

Alternatively, they may consist of:

- ▶ Paradiene 35 S R4 + Paradiene S (roofs with hard protection);
- ▶ Paraquerre + Paradiene S (roofs with paving slabs on corner supports);
- ▶ Paradiene 35 S R4 + Verinox S (roofs with access for vehicles).

Roof Gardens

These require the addition of Gravidrain drainage panels + Gravidrill filter layer + soil.

Inaccessible planted areas

See Siplast systems: Graviland-Pack and Gravi-Tapis.

Pedestrian areas

These allow hard protection complying with the local Code of Practice, either protection by concrete paving slabs, or Dalle Boise HR 56 wooden slabs on adjustable Plot Zoom corner supports.

Complementary information

- Product data sheet: Gravidrain/Gravidrill/Plot Zoom/Dalle Boise HR 56.
- Installation manual.
- CSTB Agreement Certificate.

Customs nomenclature

- 68.07.10.19.0.00.0.A

Safety

Process Gravi is not rated dangerous (for the applications described in this document).

This document is only a guide. Siplast-Icopal reserves the right to change the composition and fixing recommendations of products as a result of evolution of knowledge and technology.