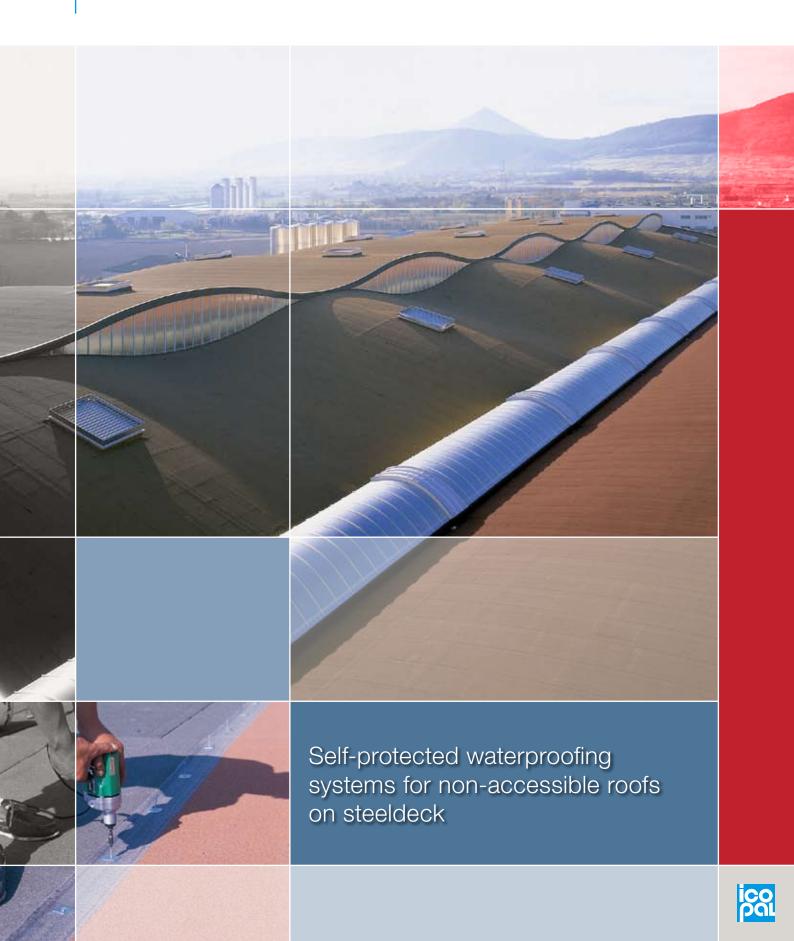
Steeldeck Self-protected waterproofing Main area and upstand descriptions





Contents

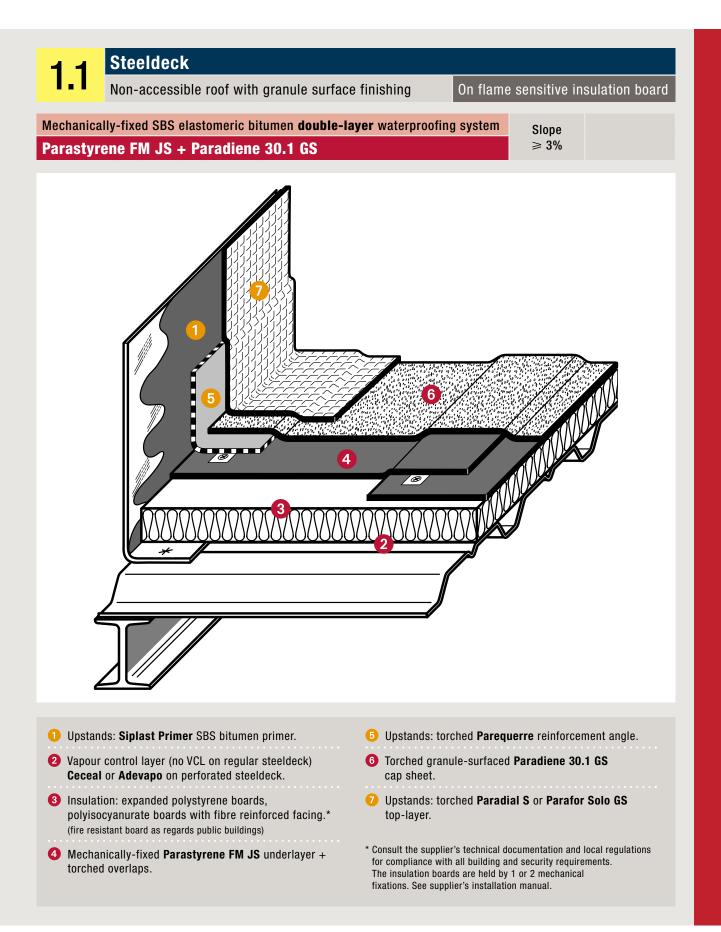
Selected system descriptions	3
Upstands	6
Siplast product descriptions	7

Attention : the information herein is a general guideline, but does not take into account restrictions or special instructions related to the bearing element, to certain insulations, to the geographical location, to the structural configuration, etc.

This information does not relieve the professionals from obtaining full knowledge of the reference documents (prevailing Local Technical Standards, Technical Assessments, Installation Specifications, etc.) This entails consulting them in their integral textual form.

Again this document is only a guide; Siplast-Icopal reserves the right to modify the composition and the installation instructions of its products, depending upon the evolution of knowledge and technology.





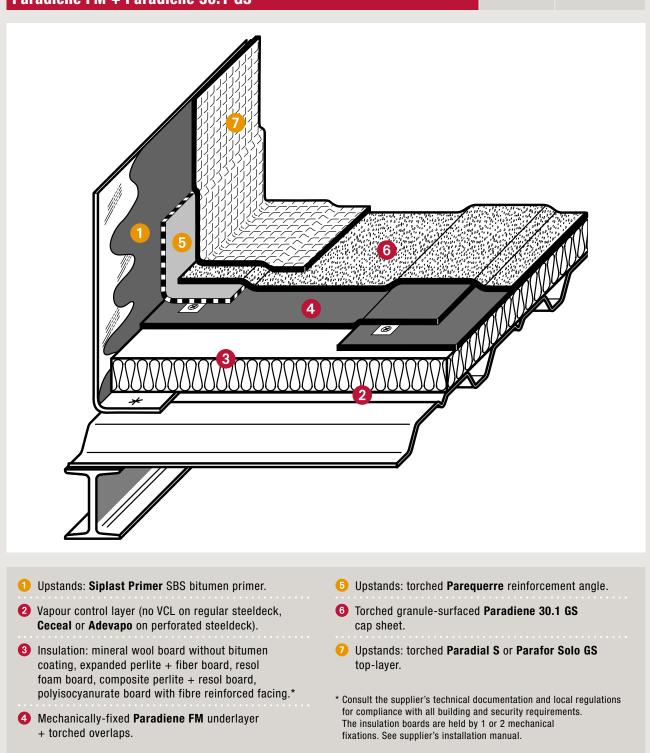
2 Steeldeck

Non-accessible roof with granule surface finishing

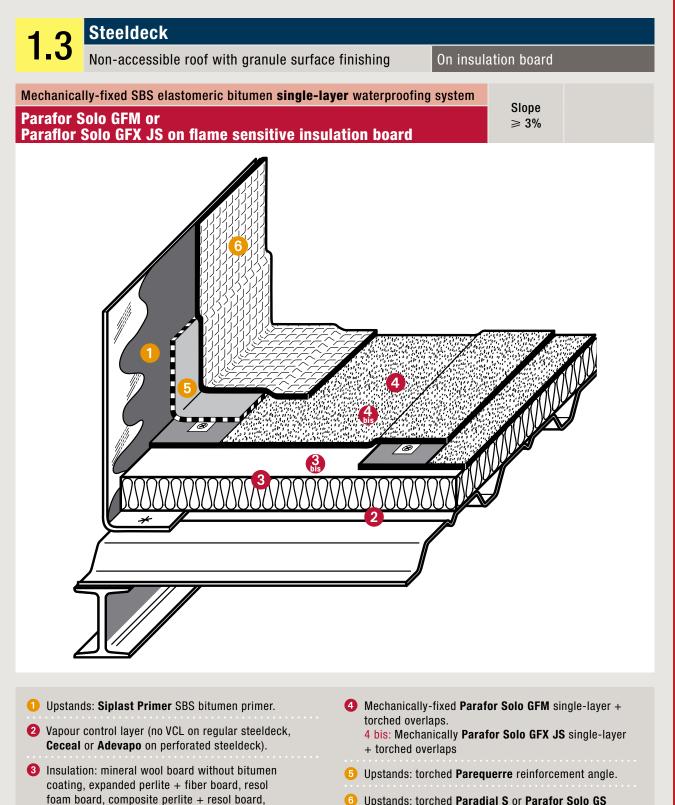
On insulation board

Mechanically-fixed SBS elastomeric bitumen **double-layer** waterproofing system Paradiene FM + Paradiene 30.1 GS

Slope $\geq 3\%$







Oupstands: torched Paradial S or Parafor Solo GS top-layer.

* Consult the supplier's technical documentation and local regulations for compliance with all building and security requirements. The insulation boards are held by 1 or 2 mechanical fixations. See supplier's installation manual.

polyisocyanurate board with fibre reinforced facing.*

(fire resistant board as regards public buildings)

3 bis: Insulation: expanded polystyrene board

Upstands

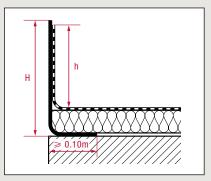
Technical specifications as described hereafter are suitable only for jobsites in plains climate

Upstand flashings

Their heights H shall enable the upstand flashings to extend upward to a minimal distance of 0.15m above the main area's self-protected waterproofing (0.25m minimal distance in the special cases of eave valleys on inclined roof surfaces with > 20 %).

The kerbs are of steel sheet, either galvanized or with anti-corrosion treatment, the thickness (refer to the local technical standards) of which depends on:

- the height H of the kerbs;
- the possible presence of a back cladding, supported by the kerb;
- the type of kerb: self-supporting or not, incorporated in the bearing or incremental structure, roof-light kerb, etc.



Description of the upstand flashing

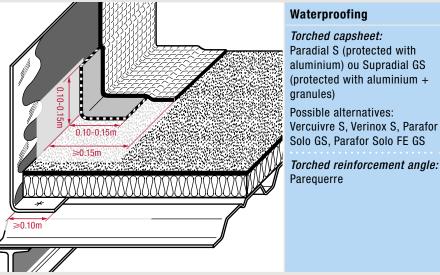
Preparation of the kerb

Upstand not thermally insulated **Siplast Primer**

Upstand thermally insulated

Allowable insulation boards complying with their Technical Assessments:

- torchable bitumen-coated mineral wool or perlite + fibre boards bonded with hot bitumen or mechanically fixed.
- cellular glass, bitumen surfaced, fully bonded with hot bitumen



Note: in case of non-bearing thermal insulation boards, height > 0,30m, the waterproofing system is fixed at the top to the kerb, with 4 fixings per meter, and this should be protected against run-off water.

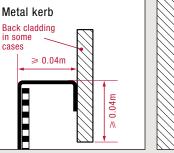
Methods for the tops of upstands

In their upper parts, the upstands need to include a watertight structure, to

Parasolin flashing strip (without thermal insulation) 0.04m ٨

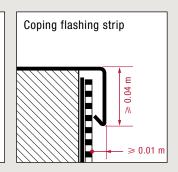
prevent run-off water from penetrating in back of the upstand flashing.

The above drawings show a number of possibilities, shown without thermal insulation. The width of the projection of the above-mentioned watertight structure will take into account the thickness of any thermal insulation board.



in some cases

Border ≥ 0.04m drip





Specifications

The kerbs are of steel sheet, either galvanized or with anti-corrosion treatment with a thickness of ...mm and height of ...mm, coated with Siplast Primer.

For upstand thermally insulated:

- ▶ insulating board complying with their Technical Assessments N°... and fixed by ...,
- ▶ thickness of ...mm with a thermal resistance performance of: ...

• The waterproofing upstand is made of:

- ▶ a reinforcement angle: torched Parequerre
- ▶ a torched granule or aluminium protected capsheet: (colour ...) Paradial S ou Supradial GS (overprotected with aluminium + granules), the overlaps at the upstand foot with the main area being minimum 0.15m.
- The top of the the upstand will be protected by ...

Siplast product descriptions

Adesolo G: self-adhesive, partially-bonded, glass/polyester composite-reinforced, SBSmodified elastomeric bitumen waterproofing, with slate flake or coloured granule surface finish, colour, and nominal 120mm wide selvedge. Underside sanded between self-adhesive strips and protected with siliconised peel-off film.

Adevapo: self-adhesive vapour barrier with highly tear resistant, aluminium + HDPE laminated reinforcement*.

Bande Adealu: Self-adhesive elastomeric bitumen strip surfaced with natural or coloured aluminium foil.

Colle Par: bituminous cold adhesive.

Dalle Parcours: semi-rigid, double glassreinforced bitumen walkway tiles with Brown or Slate Grey granule surface finish.

Paradiene S VV: glass-reinforced, torchapplied SBS-modified elastomeric bitumen underlayer, fusible film on the upper surface, sanded or film-faced on the underside

Paradial: aluminium-faced, compositereinforced elastomeric bitumen cap sheet, fusible film on the underside.

Paradiene S R3: glass/polyester compositereinforced, torch-applied SBS-modified elastomeric bitumen underlayer, film-faced with perforated thermofusible film on the underside.

Paradiene 40.1 GS: glass fibre-based SBS-modified elastomeric bitumen cap sheet, granule-surfaced, colour, thermofusible film on underside.

Paradiene FM: glass/polyester compositereinforced, SBS-modified elastomeric bitumen underlayer for mechanical fixing, filmfaced, sanded on the underside.

Parafor 30 GS: polyester-reinforced SBSmodified elastomeric bitumen cap sheet, granule-surfaced, colour, perforated thermofusible film on the underside,

Parafor Solo GS: polyester-reinforced SBSmodified elastomeric bitumen cap sheet, granule surfaced, colour, with continuous thermofusible film on grooved underside, selvedge with scarified film.

Parafor Solo FE GS:composite-reinforced SBS-modified elastomeric bitumen cap sheet, granule surfaced, colour, with continuous thermofusible film on grooved underside, selvedge with scarified film, complying with the French T 30-1 fire-resistant standard.

Parafor Solo G FM: polyester-reinforced, mechanically-fixed, single layer, SBSmodified, elastomeric bitumen waterproofing, granule-surfaced, colour, sanded with film-faced selvedge on the underside, selvedge with scarified film and graduations.

Parafor Solo G FX: glass/polyester composite-reinforced, mechanically-fixed, single layer, SBS-modified, elastomeric bitumen waterproofing, granule-surfaced, colour, sanded with film-faced selvedge on the underside, selvedge with scarified film.

Complementary information

 Product leaflets: Parafor Solo GS, Parafor Solo FE GS, Metal-faced Range (Paradial S, Supradial GS, Vercuivre S, Verinox S), Parequerre, Siplast Primer.

Parafor Solo GFX JS: polyester reinforced, SBS-modified elastomeric bitumen capsheet, granule-surfaced, colour..., sanded on the underside. Side overlapping with self-adhesive joint to protect the insulation from torch-flame.

Parastyrene FM JS: glass/polyester composite-reinforced, SBS-modified elastomeric bitumen underlayer for mechanical fixing along the side laps, film-faced, sanded on the underside. Side overlapping with selfadhesive joint to protect the insulation from torch-flame.

Parequerre: polyester composite-reinforced, torch-applied SBS-modified elastomeric bitumen underlayer. Cut in 0,25 m wide strip for use as reinforcement angle on upstands.

SCR Alliance: polyester-reinforced, SBSmodified elastomeric bitumen underlay fixed mechanically for re-roofing work, film-surfaced with polyester underside

Siplast Primer: cold-applied, quick drying, universal solvent based elastomeric bitumen primer.

Supradial GS: aluminium-facedwith granule finishing, composite-reinforced elastomeric bitumen cap sheet, fusible film on the underside.

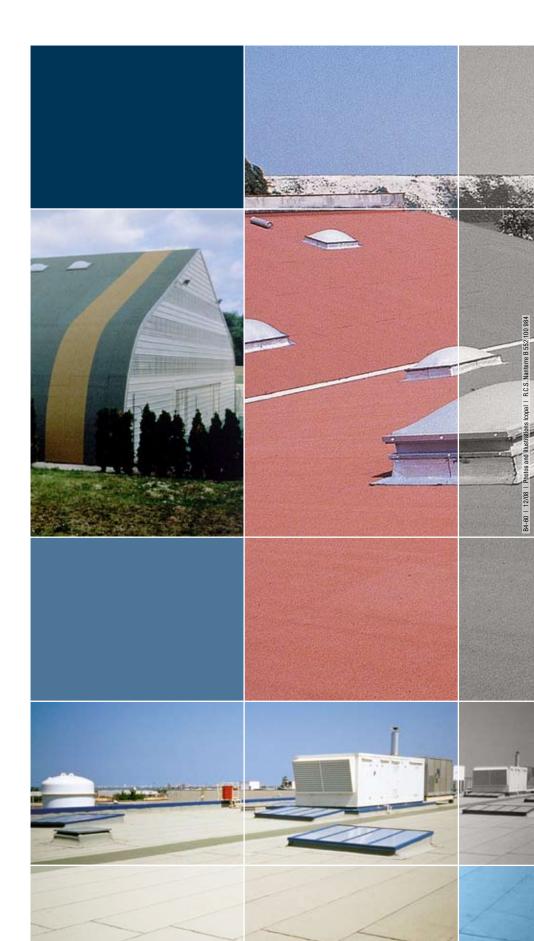
Vercuivre S: copper-faced, compositereinforced elastomeric bitumen cap sheet, fusible film on the underside, nominal.

Verinox S: stainless steel-faced, compositereinforced elastomeric bitumen cap sheet, fusible film on the underside

* for hight hygrometric rate buildings.



System Brochure 1 – Edition 1





12, rue de la Renaissance F-92184 Antony Cedex Tél. +33 (0)1 40 96 35 00 Fax. +33 (0)1 40 96 35 07 www.siplast-international.com