



Rely on it.

It's all in the detail.

RENOLIT ALKORPLUS Poliquid



Honda Ghent head office and warehouses

CHALLENGE

The Honda head office and warehouses in the Ghent Port Area were up for refurbishment. The roofs, however, have a vast number of roof details: roof lights, protrusions and rainwater outlets. Beside an ecologic solution for the roof covering, a solution was required to make the more complex roof details perfectly waterproof.

SOLUTION

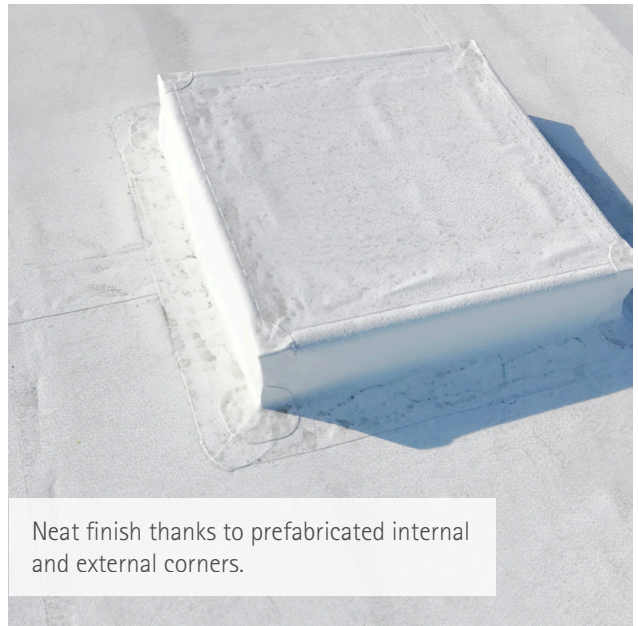
The defective PVC roofing membrane was replaced by the white, highly reflective **RENOLIT ALKORPLAN F Bright** membrane which was mechanically fixed on aluminium faced insulation boards. This cool roof membrane with the highest solar reflection rate will prevent the interior of the offices and warehouse from warming up, thus limiting the air conditioning expenses.

The 37,000 m² of roofing membranes were delivered partially in 1.60 m width for the centre of the roof, and in 1.05 m for perimeter and corners. Around the roof lights and air conditioning units a mechanical edge restraint was installed. Because of the small frames of the roof lights, **RENOLIT ALKORPLAN Design** standing seam profiles were welded onto the roof field to prevent rainwater ingress and consequent damages. Protrusions and rainwater outlets were made waterproof by means of **RENOLIT ALKORPLAN** accessories and nicely sealed with the **RENOLIT ALKORPLAN** seam sealer. For the roof contractor Albitum, the upstands and connections to the old roof edges were definitely challenging.





RENOLIT ALKORPLAN Design standing seam profiles prevent rainwater ingress.



Neat finish thanks to prefabricated internal and external corners.

Perfectly watertight details

For the more critical roof details, where prefabricated roof accessories or the conventional finish were not an option, **RENOLIT** suggested another completely watertight solution: **RENOLIT ALKORPLUS Poliquid**. This two-component PMMA-resin based liquid waterproofing is polyester reinforced, like the **RENOLIT ALKORPLAN F** membranes. This results in optimal mechanical properties, such as high impact resistance and high fatigue resistance.

Especially upstands where different roof levels coming together were practically impossible to seal. **RENOLIT ALKORPLUS Poliquid** therefore appeared to be the perfect solution. It has the big advantage that it can be used in combination with different **non-compatible building materials**, specifically interesting in the case of refurbishment. For these kinds of roof details, the **excellent elasticity** and **prolonged flexibility** are important properties as well. On top of that, from a practical point of view, the material is **easy to apply** and has a **short curing time**.



For roofer Albitum, who has been installing **RENOLIT** roofing membranes for years, it was a first experience with this **RENOLIT** liquid waterproofing system and they were really delighted with the end result. A very successful first trial of a lasting and durable waterproofing solution.



Difficult connection to an existing roof on another level





HEAD OFFICE AND WAREHOUSE

- Honda
- Port of Ghent (Belgium)
- Roofing contractor: Albitum

PRODUCTS

- Steeldeck structure
- Recticel insulation alu 100 mm
- **RENOLIT ALKORPLAN F Bright:**
2,000 m² head office, 35,000 m² warehouse
- **RENOLIT ALKORPLUS** Poliquid liquid waterproofing
- **RENOLIT ALKORPLAN** Design standing seam profiles

