



Rely on it.

Fast and durable

RENOLIT DUALFIX



New refrigerated building for Citrosuco

CHALLENGE

The Brazilian juice giant Citrosuco, specializing in natural juices and concentrates, has only one production plant in Europe located quite centrally in Ghent, Belgium. This division mainly focuses on storage and distribution and was in need of expansion. A new refrigerated building and an extra warehouse were to be added to the existing site at the Port of Ghent during the winter period 2019. As for the waterproofing membrane there were a few limitations. Mechanical fixing of the roofing membrane on a refrigerated building is asking for problems - to avoid thermal bridging an alternative system is recommended. Gluing was an option but, given the time of year this was also not the preferred choice since many adhesives are not suitable to be applied at cold temperatures. The location at the harbor area was also of significance due to the high wind load. Three important factors to take into consideration before stepping foot onto the roof.



SOLUTION

Dutch roof installer Primadak came up with an all-in-one solution for all three problems: the **RENOLIT ALKORPLAN A** roofing membrane with a polyester fleece backing, combined with the new **RENOLIT ALKORPLUS₈₁₀₆₈ DUALFIX PUR** adhesive. This universal adhesive is without any doubt an adhesive beyond compare. It is compatible with most roofing materials and is suitable for gluing both insulation and roofing membranes. The user-friendly switch between the two application methods provides a convenient and above all fast method of processing. Moreover, this glue is unaffected in cold weather and bonds well. The **RENOLIT ALKORPLUS DUALFIX** adhesive has been extensively tested during wind tunnel tests and performs very well on buildings with a higher wind load, especially as the adhesive is fully bonded.



Fully bonded

The sandwich panels on top of the new refrigerated building were made waterproof with the 1.5mm thick **RENOLIT ALKORPLAN A** fleece-back roofing membrane. This membrane was fully bonded by means of the **RENOLIT DUALFIX** adhesive. For this application the glue is dispersed on the roof structure by means of a spray gun. On extremely cold days, the vessel was kept at temperature in a hot water container, to ensure good bonding. In this way, the roofing contractor could continue working without any delay. For safety's sake, the roofer secured the roof perimeter by means of linear fixation using the **RENOLIT ALKORPLUS** peel stop bar.

Surprisingly fast

Thanks to this method of adhering, no less than 400 m² of roofing membrane were installed every day. It may be interesting to know that one vessel of **RENOLIT DUALFIX** adhesive covered 90 m² of roofing surface.

Conclusion: The **RENOLIT DUALFIX** adhesive succeeds in all respects, regardless of weather conditions, wind load or the type of building, and also guarantees incredibly fast installation. The major advantage for the customer is the fact that for this application method no fasteners were needed, consequently no risk at all of thermal bridges, often the cause of energy loss and moisture-related problems.

The other new build construction, intended as a warehouse, consists of a steel deck construction on which the 0.80m wide **RENOLIT ALKORPLAN F** roofing membrane has been mechanically fastened. This roofing membrane is FM approved, which means it is extensively tested on construction safety, fire and wind load. FM is an American quality mark that offers a guarantee of quality and gives, above all, confidence.

Primadak, in collaboration with **RENOLIT**, provided an excellent solution for a sustainable waterproofing covering on the new Citrosuco buildings.



CITROSUCO REFRIGERATED BUILDING AND WAREHOUSE

- Ghent, Belgium
- Contractor: Cordeel
- Roofing contractor: Primadak

PRODUCTS

- RENOLIT ALKORPLAN A fleece-backed roofing membrane, 1.5 mm, light grey, 6.000 m²
- RENOLIT ALKORPLAN F roofing membrane, 1,5 mm
- RENOLIT ALKORPLUS₈₁₀₆₅ DUALFIX adhesive
- RENOLIT ALKORPLUS₈₁₁₀₃ peel stop bar

