

South Pacific dreams under perfect pool enclosures

Andreas Riegler, Product Application Engineer

Artner Handels GmbH specializes in making swimming pool dreams come true. To protect pools from the elements, the Austria-based firm supplies a wide array of pool coverings ranging from weatherproof tarpaulins and robust retractable flat covers to comfortable pool enclosures. Quality always stands in the foreground at Artner Handels GmbH. The company brought the Angst+Pfister Group on board for sealing and fastening technology. High-grade Angst+Pfister sealing profiles guarantee optimum stability and functionality thanks to their customized design.

Those who value skill in building a swimming pool are in the best of hands with Pool Partner. Under this brand name, Artner Handels GmbH has been making all kinds of swimming-pool wishes come true since 1997. Whether circular, oval-shaped or rectangular, on request the pools come with extra features such as a beautifully designed Plexiglas enclosure. To put the finishing touches on its products, the pool experts at Artner Handels GmbH have recently started to rely on first-class special profiles from Angst+Pfister. The plastic components make sure that the enclosure panels sit securely, but also ensure that the roofing elements slide smoothly in the aluminum tracks.

Customized sealing profiles

Mutual know-how supplementation shaped the collaboration between the two companies right from the outset. Artner was looking for a way to improve swimming pool enclosures from a sealing technology standpoint and found the perfect solution together with Angst+Pfister. Since all conceivable weather conditions needed to be taken into account, EPDM was chosen as the sealing material. Its resistance against sunlight, ozone and other atmospheric influences is outstanding, making EPDM ideal for outdoor applications! Since the Plexiglas panels are made of acrylic, the sealing material must be resistant to that as well. Normal EPDM does not possess this property, so a special acrylic-compatible formulation was chosen. Then the right profile shapes were selected. For the different applications, Angst+Pfister developed specially designed parts: U profiles give Plexiglas panels the right support,



- 1 Special sealing bracket
- 2 Glass profile seal
- 3 Panel profile
- 4 Angled connecting profile

special brackets seal the enclosures against the ground, and angled connecting profiles form the junction between the sliding elements. This provides an optimal frame for the enclosure construction.

Successful balancing act

Over the course of their deployment, pool enclosures and their components must pass all kinds of toughness tests: environmental influences such as snow, rain, wind and dirt can afflict them and can cause premature wear if the choice of materials used is incorrect. The seals from Angst+Pfister reliably meet all of the requirements: the profiles are naturally resistant to ozone and all types of weathering, but are also impervious to contact with acrylic. The technically ideal U profiles give the Plexiglas panels enough maneuvering room for thermal expansion, but at the same time sit firmly enough to prevent slippage in the groove. Furthermore, an especially high degree of mechanical stability is necessary for assembly because the Plexiglas panels ultimately need to slide longitudinally in the groove. That adds up to a genuine balancing act that the custom-developed profiles from Angst+Pfister perform masterfully.

Intensive developmental work

The enormous advantages that the seals from Angst+Pfister offer are the fruit of intensive developmental work. Unlike standard profiles, the Angst+Pfister profiles are neither too small nor too big, but are instead tailored exactly to each specific application. This ensures in all cases that the panels hold firm in the seals and do not slip out of the grooves when thermal conditions change. A continual exchange of ideas and know-how between Angst+Pfister and Artner was crucial right in the testing phase for the profiles. This way, emerging difficulties could be quickly analyzed and fixed.

Supply partner and service partner in one

Although Angst+Pfister ultimately is solely responsible for constructing the components, involving customers in the solutions devised by the Angst+Pfister Group is an essential element. We maintain close contact with our customers until the components and their products function perfectly, because there is often optimization potential especially in the startup phase for new models or customized special components. But our support does not end with the fabri-

cation of the component. Artner can also rely on its supply partner for support during the installation stage. Angst+Pfister analyzes the feedback from the installers onsite and, where necessary, puts the finishing touches on the molded components right on the spot.

Advantageous price-performance proposition

The first order was executed skillfully, flexibly, rapidly, and to the complete satisfaction of Artner. Follow-up orders are now rolling in. From the swimming pool builder's standpoint, Angst+Pfister is now its exclusive supply partner for all sealing elements. The resulting bigger sales volume and administrative savings enhance the price-performance proposition. But the quality of the good cooperation also benefits Artner's customers, who can delight in the durability of their private swimming pools thanks to the excellent sealing profiles from Angst+Pfister.



Your contact:
 Andreas Riegler
 Angst+Pfister Ges.m.b.H., 1210 Wien, Austria
 Telephone: +43 (0)1 258 46 01 44
 E-mail: andreas.riegler@angst-pfister.com