

UV - Resistance

The degree of weather resistance given by the polycarbonate enclosures used is generally adequate. The enclosures have been tested under practical conditions in tropical regions for many years. If transparent lids are used, it is recommended to protect them against the direct effects of sun radiation. The American UL testing laboratories have approved several types of the PC series. A part of this examination is the test for UV resistance (UL 746 C). The weather proof test according to DIN 53 387 / 1000 hours was conducted at the "National Materials Testing Authority" in Dortmund.

Materials tested:	Polyethylene gray + black Polypropylene gray TPE gray FS 131 gray	Polycarbonate, 15% GV, gray Polycarbonate, transparent Polycarbonate, smoky topaz
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Note: The test reports can be obtained from us free of charge.

Shock-Testing by the Federal Office for Civil Defense

For installation in air raid shelters in accordance with standard test class RK 0.63/6.3, safety degree A. Devices up to an allowable weight of 2 kg are not subject to compulsory testing. Of the larger enclosures, the following types have been tested and approved:

- TK 2518, TK 3625 as empty enclosure
- RK 2518, RK 3625 as serial terminal enclosure
- EK 12, EK 24 as distribution box
- AK 12, AK 24 as distribution board (Application certificate 023/95)

Approval through «Bureau Veritas»

The following program series have been approved (Nr. 2661/2869/BO/OD) and are consequently suitable for installation in ships and shipyards:

- EK- Series distribution boards
- Nautic- Series junction boxes
- RK- Series terminal boxes
- TK- Series empty enclosures

Polyurethane - sealing material

All enclosure types utilize a seal composed of a dual-component, specialty mixture. The seals are halogen-free, chemically resistant (see summary on pg. 120) and especially temperature resistant. The seals are inserted by robots, are exactly evenly distributed, and have a solid grip on the upper section of the enclosure. Consequently, a secure and safe respect reliable function of the seals is guaranteed.