

Orlite Cabinets Specified Features

1. Mechanical resistance of Orlite's cabinets (flexural test, twisting test, etc.) and doors are according to DIN VDE 660. Part 503 (Tested and approved by VEW Euro Test laboratory, Dortmund, Germany) updated by EN 60439-5.
2. Polyester cabinets reinforced by about 25% fibreglasses provide high resistance and mechanical rigidity.
3. Self-extinguishing:
 - ✓ Flame resistance UL94, V-0, limit fire propagation.
4. Ventilation:
 - ✓ The cabinet has natural ventilation by labyrinth between the panels. If condensation occurs inside the enclosure it will be harmful and can be avoided in the two following ways:
 - Addition louver plate (with grids) made by creating openings in the enclosure to allow air to circulate and remove moisture. This can be done if the required protection does not exceed IP-44.
 - In IP-55 enclosure an addition of IP-55 ventilation system (louver & fan) is required.
5. Protection degrees:
 - ✓ Accordingly to IEC 529:
 - IP-44 – in standard mode with no added sealant.
 - IP-55/54 available on request. precautions
6. Top panel flush with door & side panels allow cabinets to be joined back-to-back or side-to-side.
7. Three-point locking system prevents voltage tracking. This is suitable for a drop-shape semi-cylinder lock in a vandal-proof handle.
8. A standard right-hinged door. A left-hinged door can be supplied on request.
9. The door is easy to hinge and unhinge.
10. Opening of the door:
 - ✓ Up to the angle of 95° as a standard (180° available on request).

11. M10 inserted nuts on rear wall for direct mounting of equipment without framework.

12. Easily disconnected front cross beam allows better access to the cable entry.

13. Installation

✓ Installation on a concrete base matching polyester base which is mounted on a pole or wall.

14. Polyester Bases (Sockel):

✓ Include cable holding an angle bar (steel/ polyester) 40*40 mm for pull-relief of the cables.

15. Bottom Plates:

✓ For wall mounting or pole mounting, the cabinets are supplied with bottom plates to close the bottom side (upon request).