

What is the sealing tape used for junction boxes called



Article Overview

Sealing tape for junction boxes is a waterproof and insulating tape used to protect electrical connections from moisture, dust, and environmental exposure.

Sealing tape is applied to junction boxes, cable splices, and electrical panels to create a secure, airtight, and waterproof barrier. Its primary purpose is to prevent water ingress, dust, corrosion, and short circuits, ensuring the longevity and safety of electrical systems. This is especially important for outdoor installations or areas exposed to high humidity.

Types of Sealing Tape

- **Polyethylene Tape:** Commonly used for waterproofing junction boxes, it is easy to apply and provides a reliable seal over wire connections and terminal screws.
- **Butyl Mastic Self-Adhesive Tape:** Flexible and self-fusing, this tape conforms to irregular surfaces, adheres to metals and cable jackets, and offers long-term moisture protection.
- **Self-Adhesive Gasket Tape:** Provides a strong, waterproof, and airtight seal for junction boxes and panels, ideal for industrial, commercial, and residential applications.
- **Electrical Waterproof Gel:** While not a tape, pourable gels like IPGel Mono or Duo can be used inside junction boxes to seal connections against liquids and solids, offering IP67 or IP68 protection

Article Content

Jan 22, 2026

Cable Entry Seals for Sealing Protection | TE Connectivity

Protect against moisture with cable entry seals Our Raychem cable entry seals (CES) are water-tight, heat-shrinkable products

May 02, 2026

12 tips for air-sealing electrical boxes, outlets, and wiring

Learn the tips you need for air-sealing electrical boxes, outlets, and wiring in your home. This blog provides an in

Apr 19, 2026

What is Carton Sealing Tape? How to Use it?

Photo by Lucas Dudek on Unsplash Carton sealing tape, also known as packaging tape or box tape, is a versatile

Sep 20, 2025

Air Sealing Electrical Wiring

Air-seal around all electrical wiring and electrical boxes installed through walls, ceilings, and flooring to prevent air

Feb 10, 2026

Self-Adhesive Gasket Tape – Best Sealing & Protection Solution

The Self-Adhesive Gasket Tape provides a tight and reliable seal, helping enclosures achieve higher IP ratings (like IP65). It

Feb 03, 2026

Electrical Insulation Tape

Wherever low voltage cable joints need to be waterproofed, butyl tape provides the obvious, simple solution.

Mar 02, 2026

Sealing Compounds

Protects electrical connections from moisture and corrosive vapours and is widely used for a variety of electrical applications

Oct 11, 2025

The best way to seal electrical boxes?

No returns should have dampers. You can seal the electrical boxes with fire rated silicone caulk (not intumescent fire

May 02, 2026

Adhesives and Sealants for PV Junction Box Bonding

Pack & Seal can be used in conjunction with Wrap & Seal Pipe Burst Tape to seal junction boxes against

Jun 01, 2026

RCS-2166 Water Seal Mastic Self Adhesive Tape

The RCS-2166 is ideal for sealing low-voltage cable terminations, joints, and irregularly shaped surfaces, providing reliable moisture

Sep 21, 2025

12 Types of Electrical Boxes and How to Choose

Learn about the many common types of wall and ceiling electrical boxes for switches, outlets, light fixtures, ceiling

Nov 10, 2025

Sealing electrical boxes after construction

If you have access to the back of the box, you can either use the fire stop pads and form them around the back of the

Aug 28, 2025

PV junction box mounting and sealing advances

New advances in liquid and tape sealing systems can help solar photovoltaic panel manufacturers address the

Sep 23, 2025

Everything You Need to Know About Gel-Filled Waterproof Junction Boxes

The gel used in these junction boxes is typically a silicone-based compound that remains flexible and maintains its sealing properties

Dec 22, 2025

6606Electrical Waterproof Junction Box SiliconeGel

GEL 6606 is a transparent two-component self-healing silicone gel. After curing, it forms a special soft material that is buffered and

Dec 13, 2025

Self-Adhesive Junction Box & Panel Sealing Gasket

Shop our high-quality Self-Adhesive Junction Box & Panel Sealing Tape for a durable, waterproof, and

Aug 26, 2025

Electrical Enclosure Gaskets & Seals

All Seals has experience in the providing of custom electrical enclosure gaskets and seals for a wide range of industries and

Dec 05, 2025

How To Waterproof A Junction Box

how to waterproof a junction box Waterproofing a junction box is a necessary step when installing any electrical wiring

Apr 11, 2026

3M Scotch Mastic & Sealing Tapes

3M mastic tapes are designed to insulate and moisture seal all connections up to 600 volts with excellent resistance to abrasion,

Mar 27, 2026

How to Properly Seal an Electrical Box

Non-hardening electrical putty, also known as duct seal compound or mastic, is the preferred material for sealing wire entries directly

Mar 03, 2026

3M Sealing Tapes | 3M United States

In addition to low-voltage electrical insulation, mastic tape creates a barricade around splices and terminations, resistant to

Sep 15, 2025

Junction box

Functions of the junction box A small metal, plastic or fiberglass junction box may form part of an electrical conduit or thermoplastic

Oct 12, 2025

3M Box Sealing Tapes for Electrical Construction and Maintenance

Box Sealing Tapes Our Company About 3M 3M Careers Investor Relations Partners & Suppliers 3Mgives News News Center Press

Jun 09, 2026

Sealing Junction Boxes with Silicone

As said above unnecessary in an internal junction box, but if you did want to seal electrical connections in an enclosure

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

