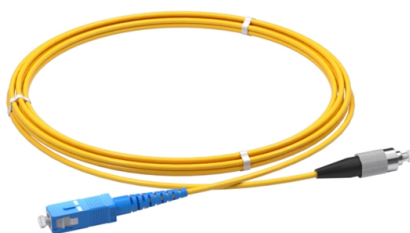


Sealing putty for optical distribution boxes



Overview

Amazon.com: Putty Pads For Electrical Boxes Discover moldable putty pads designed for electrical boxes, outlets, and wall openings. Fire-rated firestop solu.

Key Takeaways

Water-resistant, pliable putty such as Pack & Seal or S-50 Putty Sealant is commonly used to seal optical distribution boxes, protecting fibers from moisture, dust, and environmental exposure while allowing future access.

1. Pack & Seal Non-Setting Putty

- Properties: Water-resistant, fire-retardant, non-setting, and easily removable.
- Applications: Seals around cable runs, fills gaps in electrical boxes, forms gaskets between uneven surfaces, and temporarily blocks holes.
- Advantages: Can be peeled out for maintenance without damaging fibers or box components. Available in bright red for visibility or translucent for monitoring wiring inside the box.

2. S-50 Putty Sealant

- Properties: Pliable, asbestos-free, synthetic polymer-based sealant with excellent adhesion to metal, plastic, concrete, and wood.
- Applications: Ideal for sealing around conduits, junction boxes, pedestals, meters, and cable entries. Provides resistance to water, air, and dust penetration.

- **Advantages:** Durable and suitable for outdoor plant environments, though not a fire-stop material .

Considerations for Optical Distribution Boxes

- **Moisture Protection:** Optical distribution boxes must prevent water ingress to maintain signal quality. Hermetic or water-resistant putty ensures fibers remain dry and functional .
- **Accessibility:** Non-setting putty like Pack & Seal allows technicians to access fibers for splicing or maintenance without permanent removal.
- **Compatibility:** Ensure the putty adheres well to the box material (plastic or metal) and does not chemically react with fiber coatings or connectors .
- **Environmental Resistance:** For outdoor installations, choose putty that withstands temperature fluctuations, UV exposure, and vibration .

Application Tips

- Clean the area around cable entries and gaps before applying putty.
- Press the putty firmly into gaps, around cables, or along seams to eliminate voids.
- For translucent putty, ensure visibility of fiber labels or PCB components if monitoring is required.
- For long-term outdoor use, S-50 provides a more durable seal, while Pack & Seal is ideal for temporary or easily adjustable installations. Using the appropriate sealing putty ensures reliable protection of optical fibers, maintains signal integrity, and allows efficient maintenance of optical distribution boxes.

Article Content

UPS SEAL-SAFE PUTTY | Fire-Retardant, Non-Setting Sealant for ...

UPS SEAL-SAFE PUTTY is a versatile, fire-retardant, non-setting sealant specifically designed for packing electrical and cable

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

