

How to fix the roof distribution box



Overview

To fix a roof box, inspect for cracks and damage, then clean and apply a suitable repair kit. Ensure it is securely mounted.

Key Takeaways

Fixing a roof distribution box involves securely mounting the unit, ensuring waterproofing, and properly routing and sealing services through the box. Installation Steps for Roof-Mounted Service Boxes



1. Prepare the Kerb/Base: Ensure the kerb or upstand is level and flat. If supplied with the Roofbox, select the correct height section to match your roof system. Dress the kerb with a waterproofing membrane according to the roof manufacturer's specifications to prevent leaks and minimize air permeability (Nicholson) . 2. Mount the Roofbox Unit: Place the Roofbox cabinet onto the weathered kerb upstand. If needed, apply a mastic seal between the cabinet and the upstand to reduce air leakage. Secure the lid using the provided fixing bolts or self-sealing screws. The unit should now be weatherproof and ready for service installation . 3. Install Services (Cables/Pipes): Remove the lid to drill holes for service penetration. Keep apertures as small as possible and close to the underside of the weathering hood. Ensure services have a minimum 1° fall away from the unit to prevent water tracking. Seal each penetration with a suitable mastic sealant directly to the service, not the insulation . 4. Seal and Finish: Use gap fillers or proprietary mastic to seal around ducts and letterbox holes. Apply touch-up paint to cut edges and ensure the weathering hood is fixed as low as possible over the services for maximum protection. Slide split flashings over ducts, overlapping the top part over the lower, and seal with color-matched sealant .

Electrical Distribution Blocks (Optional)

For electrical roof distribution boxes, FIX distribution blocks (PTFIX or PTVFIX) can be used for fast, flexible, and maintenance-free connections. These blocks allow push-in connections for rigid or flexible conductors, are available in multiple terminal points and colors, and can be mounted on DIN rails or directly to surfaces. Lateral feed blocks (PTVFIX) provide flat wiring without bending radii, ideal for compact roof-mounted electrical setups .

Maintenance Tips

- Wash the unit annually with water and mild detergent to preserve the finish.
- Avoid installing standard PPC-finished units in marine environments.
- Ensure pipes and cables are independently supported and not relying on the Roofbox for structural support . Following these steps ensures a secure, weatherproof, and functional roof distribution box, whether for service conduits or electrical distribution.

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Introduction to repair of distribution box

3. When zero row or ground row is damaged, we can replace and repair Zero row and ground row after the power is cut off. When

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