

Client: Mrs Christopher

Address: 11 Bury Road W20 7LQ

Weather Condition: Dry & Cloudy











Overview

Following recent contact from the client, who reported concerns after a storm, an inspection was conducted to assess potential storm-related damage. The images provided (**D1**, **D2**, **D3**, **D4**, and **D5**) reveal several areas of concern, particularly around the ridge tiles, valleys, and roof-mounted equipment. Evidence of biological growth, damaged or dislodged tiles, and issues with an antenna suggest that immediate attention may be necessary to ensure the roof's integrity and safety.

Key Observations:

1. Ridge Tile Condition (Images D1 and D4):

- **Image D1** shows missing or deteriorated mortar along the ridge tiles, with visible gaps where structural stability is compromised. The storm may have exacerbated existing weaknesses, leaving exposed areas vulnerable to water ingress. Repointing and resealing these ridge tiles are recommended to restore full integrity.
- In **Image D4**, similar issues are visible, with sections of the ridge showing broken or loose tiles. These gaps could lead to additional damage if not addressed, especially in future weather events.

2. Valley Condition (Images D2 and D3):

- **Image D2** highlights accumulated debris within the valley, likely worsened by the recent storm. Debris buildup can obstruct water flow, leading to pooling and potential leaks. Clearing the valley of moss, leaves, and other materials is necessary to ensure effective drainage.
- **Image D3** shows a deteriorated valley with visible moss and other biological growth along the edges. The storm may have contributed to further loosening of materials in this area, and a thorough cleaning followed by an inspection of the valley flashing is recommended to maintain watertightness.

3. Biological Growth and Weathering:

- Across the images, particularly in **D1** and **D2**, moss and lichen growth are present on the roof tiles and in the valleys. While this growth may predate the storm, moisture retention from recent rainfall can accelerate the degradation of the tiles, leading to further damage if not removed.

4. Antenna and Roof-Mounted Equipment (Image D5):

- **Image D5** shows a fallen or dislodged antenna lying across the roof surface. This likely occurred during the recent storm and presents multiple risks. The loose antenna can cause physical damage to the tiles beneath it and create puncture points where water might infiltrate. Additionally, the associated wiring is exposed and may have been compromised, presenting a potential electrical hazard.
- The roofing surface beneath the antenna appears intact, but further inspection is recommended after the antenna and wiring are removed to ensure no hidden damage exists.

Recommendations:

1. Ridge Tile and Mortar Repairs:

- Repoint the mortar along the ridge tiles seen in **Images D1** and **D4** to restore stability and prevent water ingress. Loose or broken ridge tiles should be refitted or replaced as necessary to secure the structure against future storms.

2. Valley Clearing and Flashing Repairs:

- The valleys, especially those shown in **Images D2** and **D3**, should be cleared of all moss, debris, and any storm-related materials. This will prevent obstructions and ensure proper drainage. After clearing, inspect the valley flashing for any signs of damage or wear, particularly where storm impact may have exacerbated weaknesses.

3. Roof Cleaning and Biological Growth Treatment:

- A full roof cleaning to remove moss, lichen, and other biological growth is recommended. Applying a treatment to inhibit regrowth will help preserve the longevity of the tiles and reduce moisture retention.

4. Antenna Removal and Roof Inspection (Image D5):

- The dislodged antenna should be safely removed from the roof, along with any exposed wiring, to prevent further physical or electrical hazards. Once removed, inspect the roof surface beneath for any signs of damage. Reinstalling the antenna securely, ideally in a more storm-resistant configuration, is recommended if the equipment is still in use.

5. Gutter and Drainage Check:

- Given the storm-related debris observed, it would be prudent to inspect the gutters and drainage systems to ensure they are clear of blockages. This will support effective water runoff and prevent overflow, which could cause additional roof or structural issues.

Conclusion:

The storm has contributed to several areas of concern on the roof, as illustrated in **Images D1, D2, D3, D4, and D5**. Immediate repairs to the ridge tiles, valley clearing, and removal of the dislodged antenna will help restore the roof's integrity and prevent further damage. Regular maintenance, including biological growth treatment and inspection of roof-mounted equipment, is recommended to maintain the roof's resilience against future weather events.