Technical Bulletin

Managing Dust When Cutting Concrete Roof Tiles

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Cutting Methods and Equipment

Concrete roof tiles are most commonly cut using a **handheld circular saw** fitted with either a carborundum or a dry-cut diamond blade. Wet saws are less frequently used since most cutting occurs on the roof, where dry methods are more practical.

Dust Production and Safety Precautions

Dry cutting methods produce a substantial amount of dust. To ensure safety, always wear appropriate personal protective equipment, according to the individual roofing contractor's safety plan, whenever cutting tiles. It is important to cut tiles away from completed or finished surfaces to avoid excess dust.

Dust Removal and Cleaning Procedures

Remove dust daily to prevent it from bonding to surfaces, especially if the dust gets wet. Dust can be effectively cleared using air jets, water rinses, or a combination of both. **Proper cleaning is essential,** as any leftover dust may bond to the surface and require additional cleaning methods such as scrubbing or power washing.

Managing Bonded Dust

If bonded dust proves difficult to remove, it will eventually be eliminated by **natural weathering.** This is because the dust only impacts the temporary sealer coat applied to the tiles and does not damage the tile material itself. The sealer's primary function is to control efflorescence. Over time, the sealer will wear off—along with any stubborn dust—depending on factors such as climate, tile type, and the amount of dust present.

For more information, contact your local Eagle Account Representative by visiting eagleroofing.com.