

Outdoor Seating Area

Roof Tile System – Technical Guide

Outdoor seating areas require a roof system that balances:

- Weather protection
- Ventilation
- Visual comfort
- Structural durability

Unlike enclosed rooms, thermal insulation may be optional, but **ventilation and drainage are critical**.

1. Technical Recommendations [®]

1.1 Structural Frame

Use:

- Hot-dip galvanized steel
- Treated timber (secondary option)

Because the area is fully exposed to climate changes, the frame must resist:

- Moisture
- Wind
- UV exposure

Galvanized steel is preferred for longer service life.

1.2 Roof Pitch

Recommended:

- 25°–35°

This improves:

- Rainwater drainage
- Self-cleaning of roof tiles
- Wind resistance

1.3 Roofing System

Recommended roof layers:

1. Structural frame
2. Waterproof membrane
3. Battens
4. Roof tiles
5. Ridge closures

Even open outdoor areas require waterproof underlayment.

1.4 Drainage Design

Install gutters with:

- Minimum 1–2% slope
- Controlled water outlets

Rainwater must not fall directly into the seating area perimeter.

