

SHED FOUNDATION WORKSHEET

Gravel pad quantities | Page 1: measure and estimate

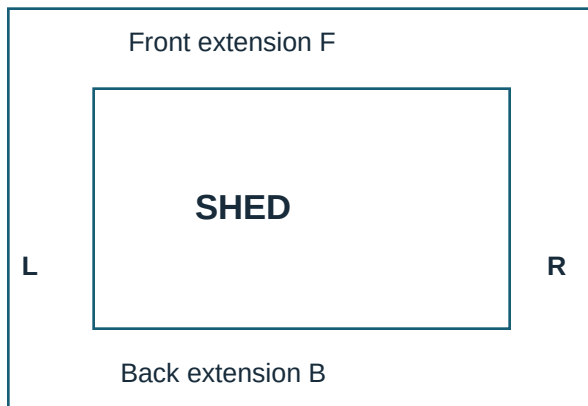
Use approved project dimensions and supplier data. This worksheet estimates materials; it does not select foundation type, depth, drainage, anchorage or structural design.

Project / location:

Date:

Prepared by:

1. Measure the pad - top view (not to scale)



Choose one unit system:

Imperial: length/width in ft, depth in in

Metric: length/width in m, depth in cm

Shed length: _____

Shed width: _____

F: _____ B: _____

L: _____ R: _____

F/B extend shed length; L/R extend shed width.

Pad length = shed length + F + B = _____ ft / m

Pad width = shed width + L + R = _____ ft / m

Area = pad length x pad width = _____ sq ft / sq m

2. Calculate the gravel order

Finished compacted depth: _____ in / cm Compaction allowance C: _____%

Waste allowance W: _____% Allowances confirmed with: _____

Imperial compacted volume = area x (depth in inches / 12) / 27 = _____ cu yd

Metric compacted volume = area x (depth in centimeters / 100) = _____ m³

Loose order = compacted volume x (1 + C/100) x (1 + W/100) = _____

Confirm whether the supplier has already included compaction or waste; do not add it twice. Keep precision until the supplier confirms an order increment. Depth and allowances above are project inputs, not recommendations.

Continue on page 2 for supplier checks, budget and a worked example.

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Gravel pad quantities | Page 2: quote and budget

3. Confirm the supplier quote

Supplier / contact: _____ Quote date / expiry: _____

Material / gradation: _____ Confirmed order: _____

Quote unit: cu yd / m3 / US short ton / metric tonne Price per unit: _____

If priced by weight: supplier loose density _____ short tons/cu yd or tonnes/m3

Order weight = loose volume x matching loose density = _____

- ☐ Confirm minimum load, purchase increments and small-order fees.
- ☐ Confirm delivery cost, truck access, drop location and material availability.
- ☐ Confirm whether the quote includes tax and compaction/waste allowances.

4. Build a partial material budget

Gravel = confirmed purchase quantity x matching unit price: _____

Fabric + perimeter materials + other planned materials: _____

Delivery + other quoted fees: _____

Subtotal = sum of the three lines above: _____

Contingency: _____% Total = subtotal x (1 + contingency/100): _____

Use one currency throughout. Record tax separately if excluded. Labor, excavation, equipment, drainage, permits and other unquoted work are outside this partial budget.

5. Check your method with this example

Illustrative inputs only - not recommended dimensions or market prices: a 12 ft x 10 ft shed with 1 ft on each side gives a 14 ft x 12 ft pad (168 sq ft). At 4 in finished depth, compacted volume is $168 \times (4/12) / 27 = 2.074074$ cu yd.

With 15% compaction and 5% waste: $2.074074 \times 1.15 \times 1.05 = 2.504444$ cu yd. At a hypothetical \$40/cu yd, gravel is \$100.18. Add \$100 delivery: \$200.18. A 10% contingency gives \$220.20. Other costs are excluded; a supplier minimum or rounded order changes the budget.

Notes / costs still to quote: _____

Run the estimate online:

buildcalculatorsHQ.com/calculators/shed-foundation-calculator/