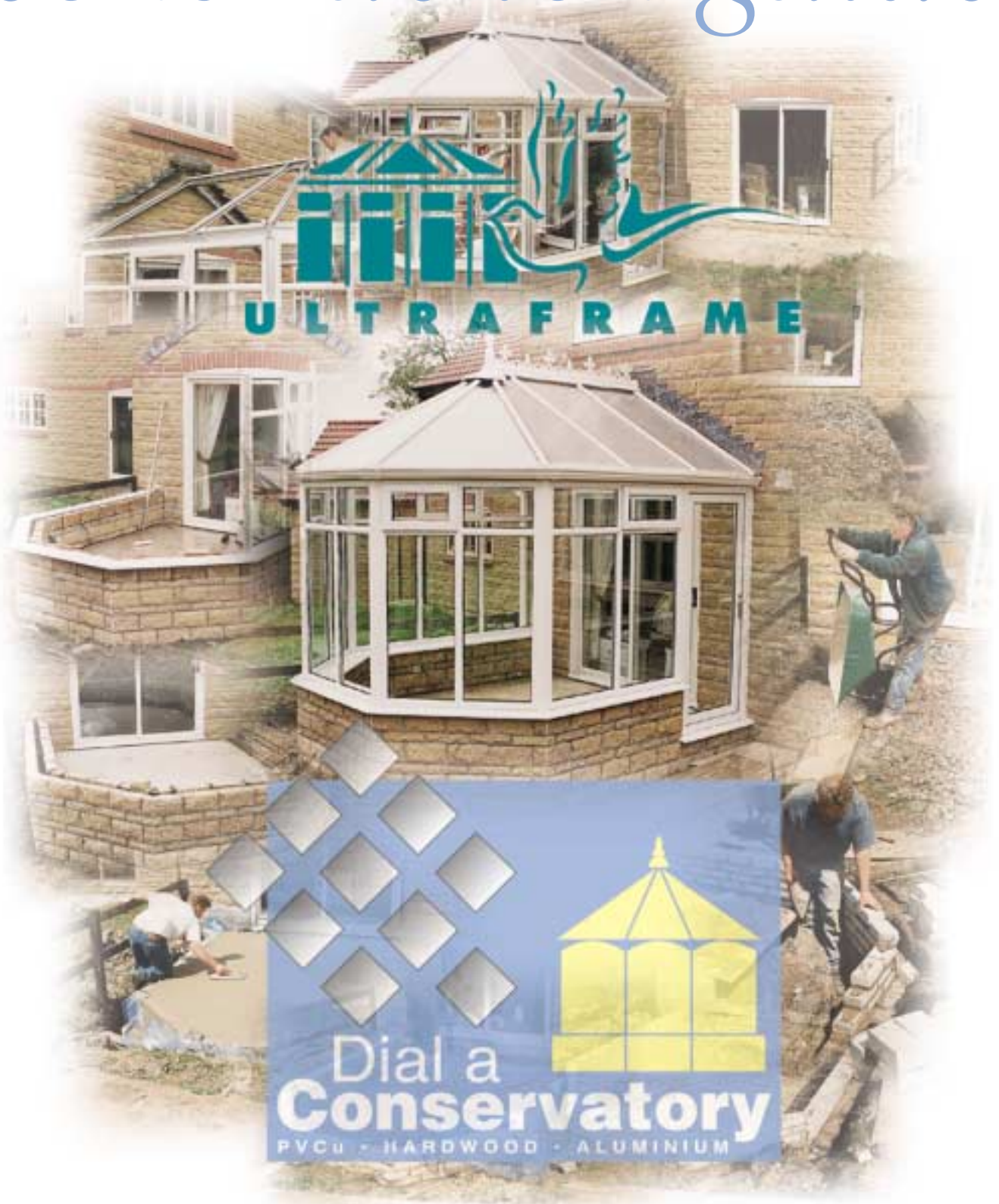
STEP-BY-STEP
construction guide



Delivering better priced Conservatories, Sun Lounges and Garden Rooms via the Internet.

Welcome to our CONSERVATORY AND SUNROOM CONSTRUCTION GUIDE

What is the specification for the base?

How do I put the conservatory together?

Can you give my builder a guide?

This guide will answer many of your questions - maybe even all of them!

However, if there are still any questions or queries you are unsure of please e-mail them to us at info@conservatoriestoday.co.uk

Firstly, however, here is our DISCLAIMER and a THANK YOU.

DISCLAIMER: Our construction guide is not a complete instruction manual, please note we cannot accept responsibility for erroneous constructions based on this guide.

THANK YOU: To Ultraframe PLC. This guide is based almost completely on their excellent Step by Step Construction Guide. We are very pleased to recommend Europe's Leading Conservatory Systems Manufacturer and their roofing components for all our bespoke PVCu Conservatories. YOU WILL NOT BUY BETTER.

The guide, by its very nature, can only be a GENERAL GUIDE. Soil and site circumstances will vary depending on area. It is quite possible that you will not have to complete all of the steps in their entirety. It is even possible you will need to complete some additional steps. Always take relevant professional advice when in doubt.

STEP 1

The site of the proposed conservatory.

STEP 2

Construction work begins. The ground is excavated to a minimum of 450mm deep for the footings. Excavation exposes an underground drainage pipe in this example.

STEP 3

Additional steel mesh reinforcement is introduced to the concrete foundation to prevent the drainage pipe being crushed. Another alternative sometimes favoured instead of steel mesh is to insert concrete lintels above the drain in order to bridge it.

STEP 4

Concrete is poured into the trench to form the foundations.
The concrete is a minimum of 150mm thick.

STEP 5

The concrete is floated to form a level surface to build upon.

STEP 6

The inner leaf of the cavity wall is built up to floor level.

STEP 7

Hardcore is laid to a minimum 100mm deep and compacted to form the base of the slab.

STEP 8

A blinding screed of sand is laid over the hardcore to prevent any sharp stones puncturing the damp proof membrane.

STEP 9

A visquen damp proof membrane is laid over the sand blinding and lapped onto the inner leaf of brickwork.

STEP 10

Optional floor insulation may be installed at this stage.

STEP 11

Concrete 100mm thick is laid to bring the slab up to the finished floor level.

STEP 12

The concrete is floated to a smooth level surface, suitable for tiling. Usually if you wish to lay a carpet then a screeded floor finish or self levelling compound is added to the floor after the conservatory is erected.

STEP 13

The outer leaf of the wall is built. In this case, artificial stone to match the house is used.

STEP 14

The inner leaf of the cavity wall is built to complete the basework. The same material as the outer leaf has been used to provide a feature stone finish.

STEP 15

On this installation cavity trays are being installed due to the porosity of the house wall and the exposed conditions which the conservatory faces. This is an option most people do not go for - but one we highly recommend - especially in exposed situations.

STEP 16

A close-up of a cavity tray.

STEP 17

The final cavity tray is installed.

STEP 18

The house wall is pointed after the installation of the cavity trays and lead flashings.

STEP 19

The PVCu external cill is fitted to the dwarf wall and erection of the side frames begins.

STEP 20

On completion of the frames the structural aluminum eaves beam is fitted to the head of the frames. Please note this example is based on the ULTRAFRAME roofing system.

STEP 21

The PVCu thermally clad aluminium glazing bars and ridge system are quickly assembled.

STEP 22

The polycarbonate glazing panels are installed (alternatively, double glazed units may be specified).

STEP 23

The side frames are glazed after the roof is complete.

STEP 24

The ventilated aluminium ridge is ready to accept the clip fit PVCu internal cladding. Electrical cables may be concealed behind the cladding if a fan or lights are required.

STEP 25

The PVCu internal fascia is clipped onto the eaves beam to complete the internal finishing trims.

STEP 26

The Completed Conservatory

Delivering better priced Conservatories, Sun Lounges and Garden Rooms via the Internet.

M Taylor T/AS Dial A Conservatory
Unit 2 Angmering Station, Station Road, East Preston,
West Sussex, BN16 3RE
FREEPHONE: 0800 833309
Tel: 01903 850093, fax: 01903 859866
Outside UK tel: +44 1903 850093
http://www.conservatoriestoday.co.uk
e-mail: info@conservatoriestoday.co.uk

Thanks to Ultraframe PLC for providing the basis and images of this construction guide.

ULTRAFRAME
Europes Leading Conservatory Systems Manufacturer