

9th March 2016

BWF Heritage and Conservation Joinery Group



Competitions Act

Members attending this meeting will not at any time engage in any discussion on subjects that are prohibited by the Competition Act 1998 or The Enterprise Act 2002. In particular the issue of prices and market share or any other issues covered by the legislation will not be raised or discussed.

Welcome

- Introductions
- Emergency procedures
- BWF Update
- Agenda





BWF Update

Helping members to trade more profitably

BWF Annual Review 2015



Political environment

BWF has clear messages and this is opening doors

Focus on Business Environment

- BWF supported Nigel Mills MP in promoting the job fair for ex Leaderflush employees
- Discussed parallels with steel crisis and upcoming debates on retentions, late payment and the Enterprise Bill with Bill Esterson.
- IM and DP met Maria Caulfield MP at Westgate factory

Focus on Quality and Safety

- IM has been in contact with Mike Penning MP, the new Fire Minister, to welcome to post. Mike is an ex Fireman and already gave support to Fire Door Safety Week 2015

Emphasis on Devolved

- Met with Anne Jones AM in Wales to plan Fire Door Safety Week 2016 activities and training opportunities in Wales
- Opportunity to feed into new consultation on the local Red Tape Challenge

The impact of leaving the EU???



BWF Campus

<http://elearning.bwf.org.uk/>

- Timber Products
- Sustainability
- Knowledge
- Technical
- Health and Safety
- Efficiency
- On site practices
- Installation
- Toolbox talks



Key Technical Issues



- New Part Q Security Regulations England
- Moratorium on Welsh Building Regs lifted
- Changes to PAS24
- Preparations for CE Marking of Internal Doorsets and Fire Doorsets
- Proposed new Energy and Quality Standards
- Air Quality
- Circular Economy
- BIM



Sustainability and welfare

New EPD software

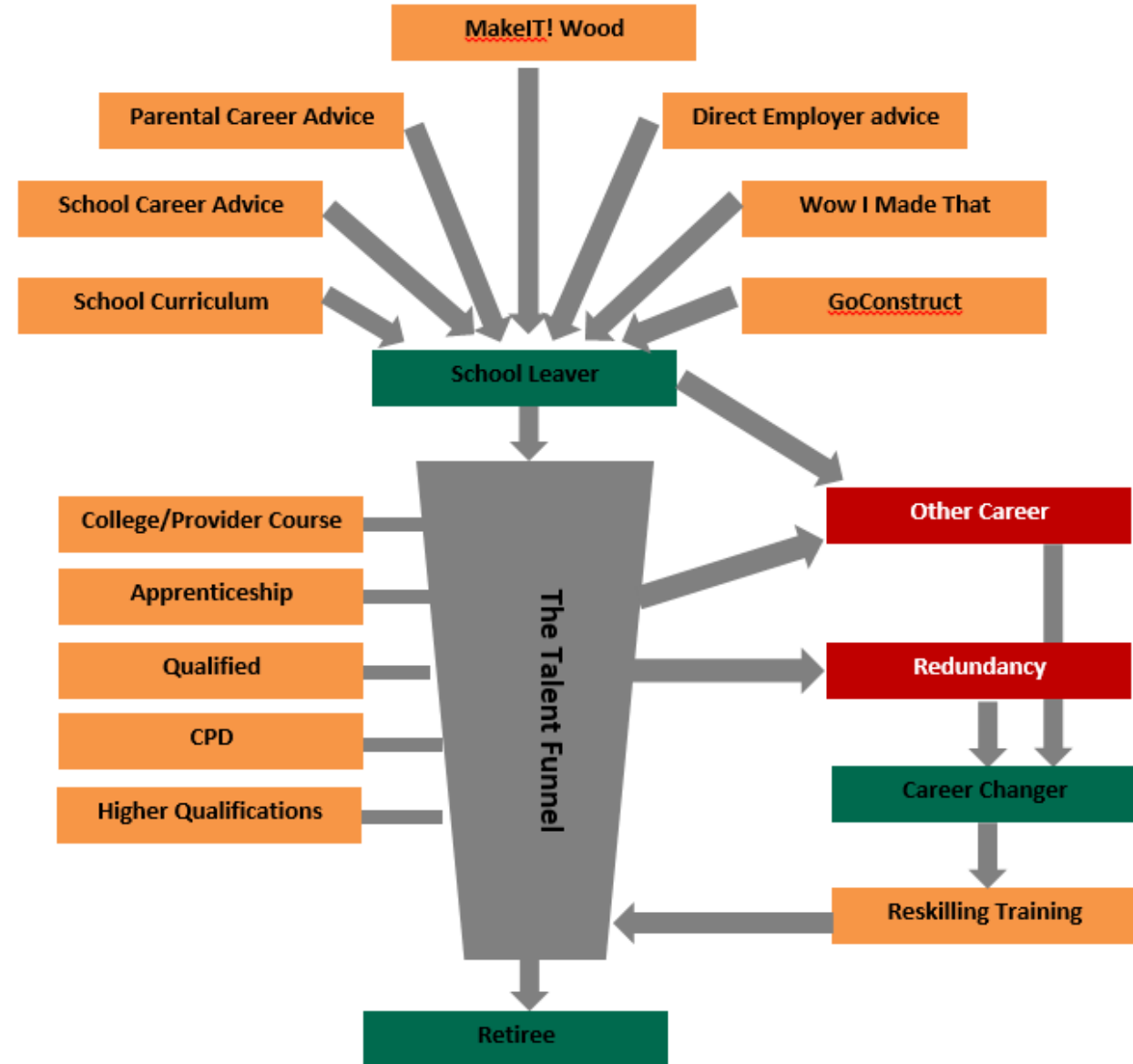
Objectives

- A cost effective tool for developing specific EPDs
- A range of generic product information available to all members to cascade
- Lay down the gauntlet to alternative materials
- Accurate information available to support environmental claims
- Make case to include basic reporting in the building regulations

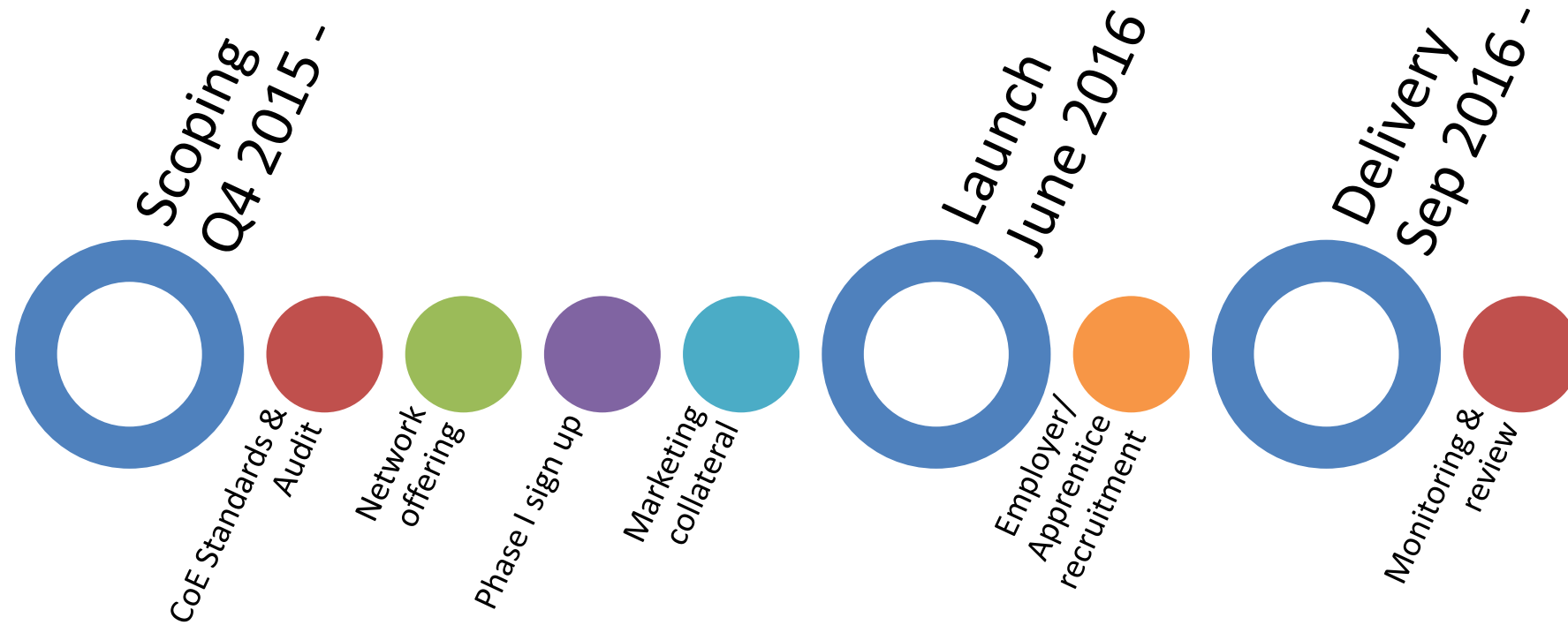
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WIT Forum Strategy



CoE's Timetable for Delivery



Members Day 2016



Members' Day 2016

The woodworking industry conference

July 7th, Whittlebury Hall



Compliance, Resilience & Growth

The Programme

Time	Description
0815-0900	Delegate Registration and exhibition Once registered, visit the free exhibition, showcasing the latest innovations and technologies to aid the joinery industry
0900-0930	Keynote Address: "The changing face of the construction industry", Suzannah Nicholl Build UK CEO Suzannah Nichol gives an overview of the challenges facing the construction industry in 2016
	Workshop Session 1



BWF Awards



1. Technical Awards
 - a. Project Award
 - b. Product Design Award
2. Health & Safety Hero Award (sponsor Didac)
3. Process Efficiency Award (sponsor W16)
4. Trainee of the Year Award (sponsor CITB)
5. Apprentice of the Year Award (sponsor CITB)

Co-locate with W16

Venue: Motor Cycle Museum

Date: Tuesday 4th October 2016

BWF Heritage and Conservation Joinery Group

9th March 2016

Heritage and Conservation Joinery Group

Agenda

- **11:00 – 11:15** – BWF Update
- **11:00 – 11:45** – BWF Heritage and Conservation Group
 - H&C News Update
 - Objectives
 - 2016 Outputs
 - Group Discussion
- **11:45 – 12:30** Guest Speaker Barry Turner LABC
 - The interaction between Building Regulations and buildings within conservation areas.
 - Q&A and group discussion
- **12:30 – 13:00** Lunch and Networking
- **13:00 – 13:45** Guest Speaker Marc Rampling Hodgson Sealants
 - Heritage Glazing Best Practice
 - Q&A and group discussion
- **13:45 – 14:00**
 - Key Actions
 - Date for Next meeting
 - AOB
- **14:00 – 15:00** Heritage and Conservation Tour



Heritage and Conservation News Update

April 2015 – Historic England

Traditional Windows – Their Care, Repair and Upgrading

30 October 2015 - East Devon builder fined over £20,000 for listed building offences and enforcement notice breach including removal of 2 timber windows

**Refurbishment of Battersea Power Station-
Grade II* Listed**

21 pubs listed across England

Clandon Hall Fire – Fire report published

Artist Tracey Emin in planning row after submitting bid to knock down listed building and replace it with a five-floor house



BS 7913:2013 - Guide to the conservation of historic buildings

- Best practice in the management and treatment of historic buildings.
 - Applicable to historic buildings with and without statutory protection.
 - Not applicable to below ground archaeology or any other type of heritage asset such as movable objects or vehicles.
 - Intended for those who own, use, occupy and manage historic buildings, the professional team's contractors and others employed to work on their behalf, and can be used by decision makers and funders.
 - General background information principles of the conservation of historic buildings
 - setting conservation policy
 - management strategy and procedures.
- building owners
 - managers,
 - archaeologists,
 - architects,
 - engineers,
 - surveyors,
 - contractors,
 - conservators,
 - planners,
 - conservation officers
 - local authority building control officers

Heritage and Conservation Joinery Group

Key Objectives

- To **debate** ongoing H&C subjects and issues relevant to members who provide joinery for use in Listed or Conservation properties
- To recognise that this an area of joinery where the regulations and other guidance can **conflict** and develop guidance and resources to assist understanding.
- To **promote the use of timber joinery** in H&C projects.
- To understand how modern manufacturing **techniques** and **materials** have a bearing on replacement or refurbishment of joinery
- To ensure our members are fully aware of their **legal responsibilities** when working in the H&C market
- To assist in producing **useful resources** to assist members managing H&C projects



Gower Street – Longest unbroken Georgian terrace in London

2016 objectives

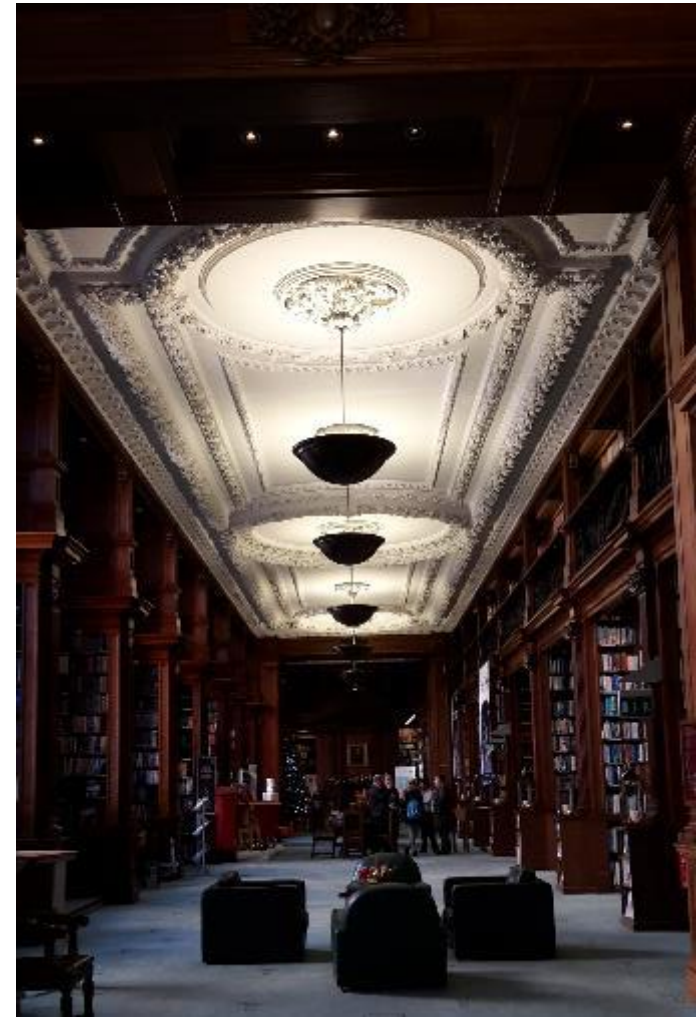
- Publish of set of BWF Heritage and Conservation Factsheets
- Promote individual members case studies of Heritage and Conservation joinery
- Devote a specific webpage on bwf.org.uk to promote Heritage and Conservation Joinery
- Build links with organisations in developing Best Practice guidance



Staircase House, Stockport
Rare Jacobean Cage Newel timber staircase

Group discussion

Objectives and 2016 outputs



The Library
Chartered Institute of Surveyors

Barry Turner

Local Authority Building Control LABC

The interaction between
Building Regulations and buildings
within conservation areas



Q&A and Group Discussion



Marc Rampling

Hodgson Sealants

Heritage Glazing Best Practice



Heritage Glazing Best Practice

for

BWF Heritage and Conservation Group

9th March 2016

Marc Rampling

Background

- Manufacturer of putties since 1968.
 - Independently owned
 - Largest Manufacturer in Europe
 - Produce over 2000 tonnes per year
- About the same as 285 Double Decker Buses!



Topics to Cover

- Types of Glazing Materials
 - Putty/Bedding materials
 - Silicones
 - Hybrids / Cartridge based 'putties'
- Best Practice for traditional puttying.
- Paint Systems
- Single Glazing Systems
 - Putty Fronting / Bead Glazing
- Double Glazing Systems (Standard and Narrow Cavity)
 - Putty Fronting / Bead Glazing
- A quick word on standards

Putty

There are many different types of 'putty' used for glazing. Choice depends upon the type of frame material, design and performance demands

- Linseed Oil Putty (LOP)
- Multipurpose Putty (MPP)
- Metal Casement Putty
- Rapid Set Putty
- Colourglaze (Plastic Glazing Compound)
- Butyl Glazing Compound

Linseed Oil Type Putty

For primed softwood frames

Must be painted

Not suitable for use with microporous coatings

Suitable for external use only

Multipurpose Type Putty

For primed softwood, hardwood or steel frames

Must be painted

Not suitable for use with microporous coatings

Suitable for external use only

Metal Casement Putty

Supplied for use in primed steel / metal frames.

Can be used as a Multipurpose Putty

Must be painted

Not suitable for microporous coatings

Suitable for external use only

Rapid Set Putty

For use in primed softwood, hardwood and steel frames

Two part system; putty and powder

Must be painted, can be painted before other putties can

Not suitable for use with microporous coatings

Suitable for **internal** and external use

Colourglaze / Plastic Glazing Compound

Supplied for use in pre-coated metal frames

Classified as a 'plastic glazing compound'

Can be left unpainted in metal frames

Can be used with microporous coatings

Suitable for external use only

Can be used in timber frames, but must be painted

Butyl 66

For 'bead glazing' single glass not for putty fronting

For use with primed softwood, hardwood and metal frames

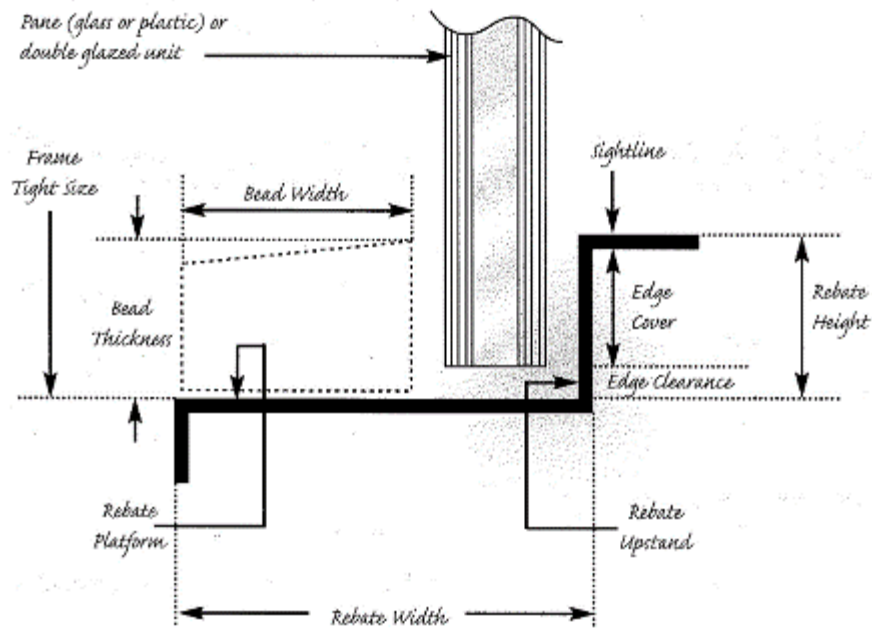
Can be painted, but not essential

Not recommended for use with microporous coatings

Suitable for internal and external use

Putty

All these materials have been used successfully over the years in relevant applications when used correctly. Joint design is critical to ensure long life expectancy.



PRODUCT	Rebate Size Limitations in Timber Frames (mm)				Rebate Size Limitations in Steel Frames (mm)			
	Minimum Height (Upstand)	Minimum Depth (Platform)	Maximum Height (Upstand)	Maximum Depth (Platform)	Minimum Height (Upstand)	Minimum Depth (Platform)	Maximum Height (Upstand)	Maximum Depth (Platform)
Linseed Oil Putty	8	10	15	25	x	x	x	x
Multi Purpose Putty	8	10	15	25	8	10	15	25
Metal Casement Putty	8	10	15	25	8	10	15	25
Colourglaze Putty	8	10	12	20	10	15	15	20
Rapid Set Putty	8	10	15	25	8	10	15	25

Silicone Sealants



- Wide choice available
- Essential to use a compatible product with edge sealant if bedding IGU's
- Generally stated to use LMN but essential to check quality.
- Premature unit failure
- Paintability & Strength

Hybrid Sealants – Putty in a tube?

- Low odour / emissions
- Low shrinkage
- UV resistant
- Paintable
- Fast skinning time
- Good adhesion profile
- Good movement accommodation
- Durable / resilient
- Good tooling properties



Best Putty Practice

- Remove all dust, grease and loose material from the rebate. Any moisture on the timber should be wiped off using a clean paper towel or other absorbent material to give a dry surface. Moisture content of timber should be $\sim 17\%$.
- Check the condition of the primer on the frame, especially the rebate. Any section, which has been partially missed or is considerably weathered should be reprimed before glazing. One coat of primer to BS5358: 1986 applied to new softwood will allow sufficient oil to be absorbed into the frame.
- Rebates of hardwood frames which are to be protected with clear varnish should be sealed with Timber Sealer.

Best Putty Practice

- Apply putty to rebate and insert setting blocks.
- Place pane on setting blocks centralise, press into putty to give a back bedding of 1 – 2mm throughout and secure pane mechanically i.e. with metal sprigs or clips. Location blocks should be used in side hung opening windows to hold the glass in place.
- Apply further fronting putty and knife at an angle finishing about 2 mm below the sightline. Brush putty with soft brush to seal to glass. Knife off back bedding, sloping away from glass.
- Ensure correct fillet size of putty is used for material.

Best Putty Practice



Best Painting Practice

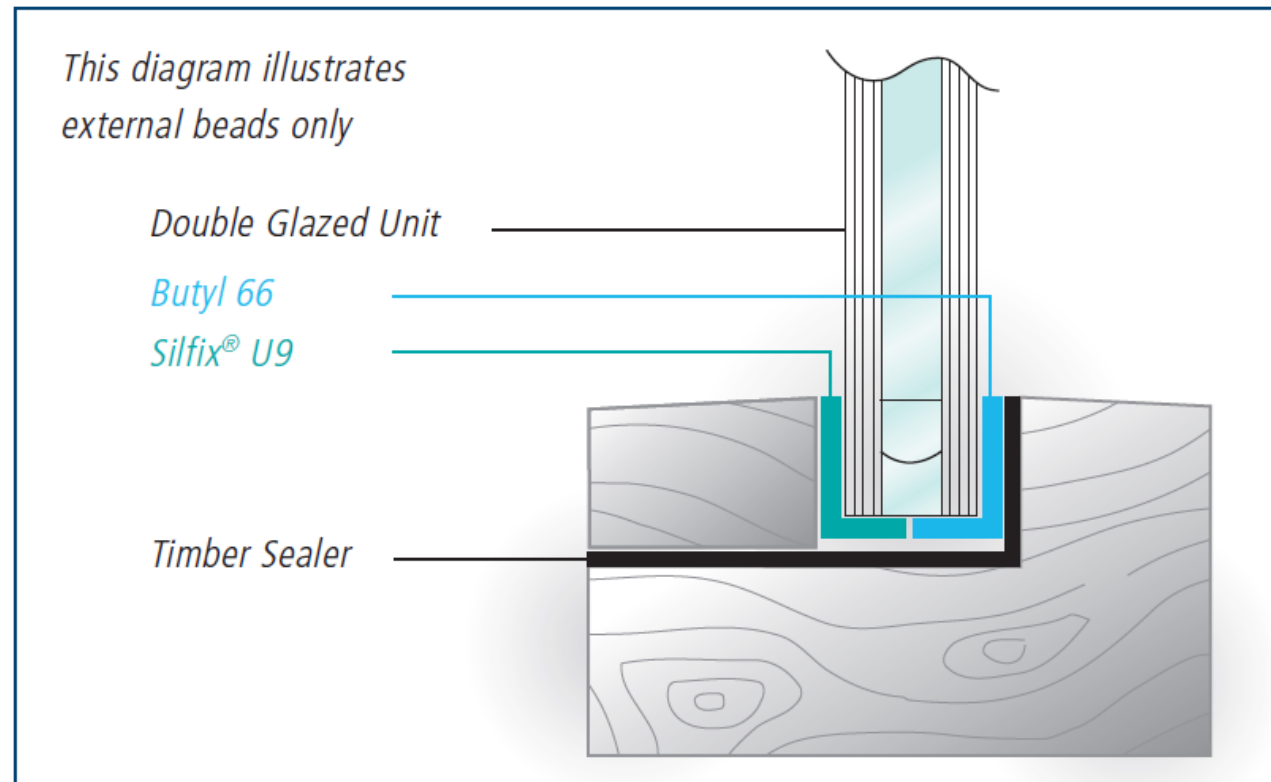
- Overpainting essential once skin is formed sufficient to accept the actions of painting.
- Do not overcoat before skin is firm as this leads to a 'wrinkled' appearance.
- Type of paint critical
- Do NOT use a microporous/waterbased product
- Solvent Bourn alkyd undercoat and gloss
- Traditional paint for traditional putty.
- Not too early.....not too late!

Best Painting Practice

- Examples of Issues

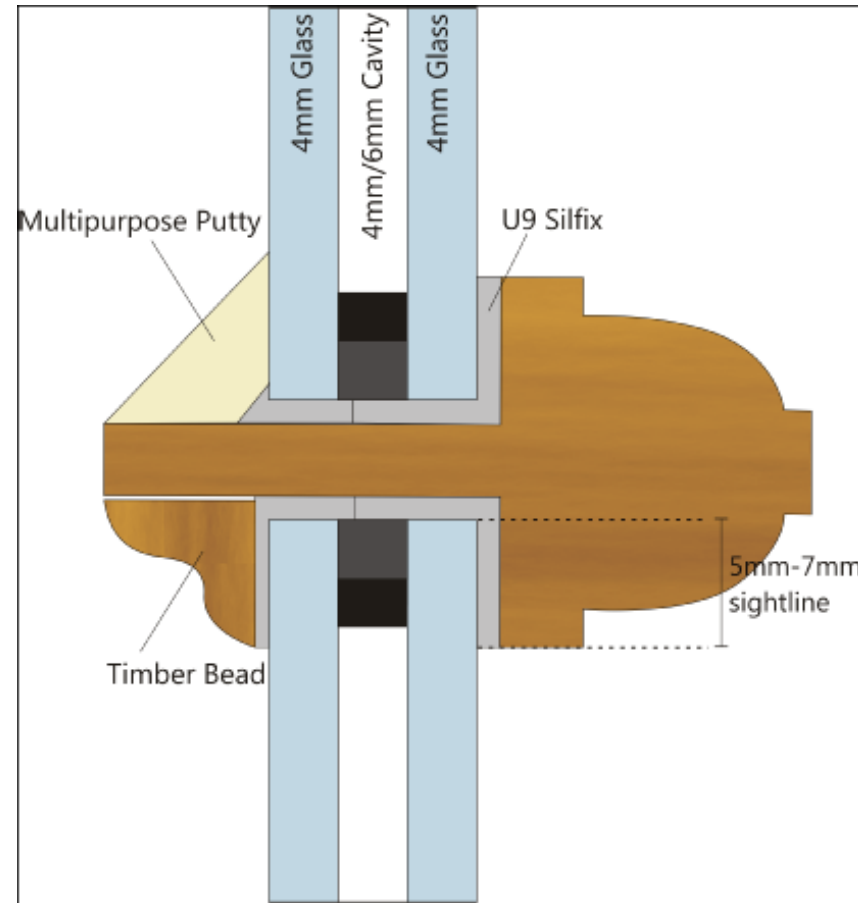


Single / Double Glazing Methods



Examples of differing approaches

Heritage Unit Sealing #1





Relevant Standards

- The harmonised standard series EN 15651 for construction sealants was released in 2012:
- EN 15651-2:2012 - Sealants for Glazing
- From 01 July 2014, manufacturers will be required to apply a CE mark to their products that fall into the scope of this series; these products require initial type testing (ITT) by a Notified Body.
- Non-Structural elastic sealants used for glass to glass, glass to frame and glass to porous substrates are within the scope.

Relevant Standards / Guidance

- BS8000: Part 7 1990 – Code of Practice for Glazing
- BS6262 – Glazing for Buildings
- BWF / GGF guidance
- No current available standards to clarify types of application being carried out today so all that can be applied is best practice from experience.



Glass and Glazing Federation



BRITISH
WOODWORKING
FEDERATION



Any Questions?



- The material for this presentation has been prepared for the benefit of the delegates. It does not necessarily stand on its own and no responsibility for loss occasioned by any person acting or not acting as a result of this material can be accepted by the speaker or Hodgson Sealants (Holdings) Limited.



Q&A and Group Discussion



Heritage and Conservation Joinery Group

- Key Actions
- Date of Next Meeting
- Member Case Studies
- AOB – Recording an oral history of the woodworking industry



Timber Staircase
House of Commons