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Scottish House Builders Health & Safety Forum 1 May 2024



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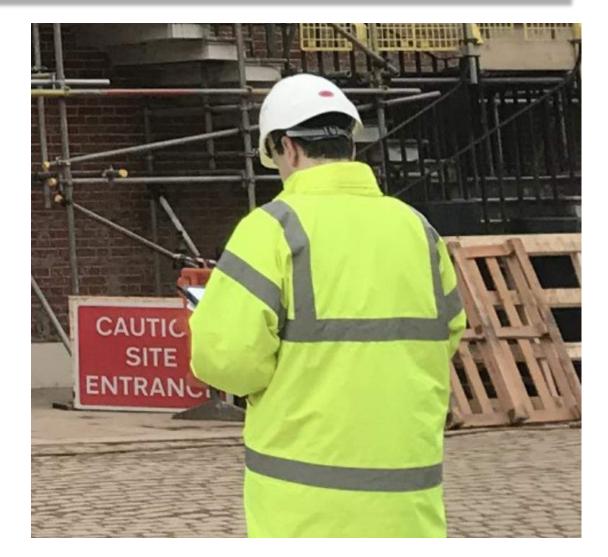
1. NFRC Overview

2. Health and Safety in Roofwork:

- Roof battens
- BS 5534 / BS 8000-6
- Counterfeit battens
- Sequence
- Residual Risk

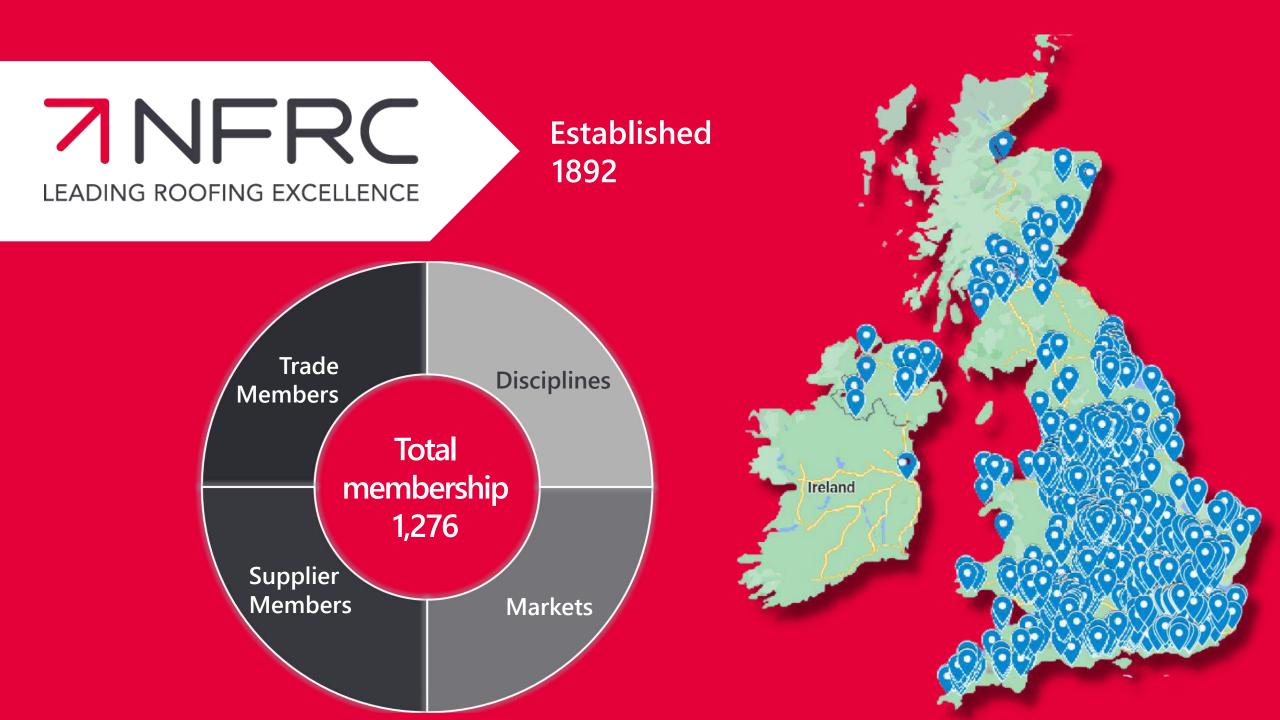
3. Fire Stopping

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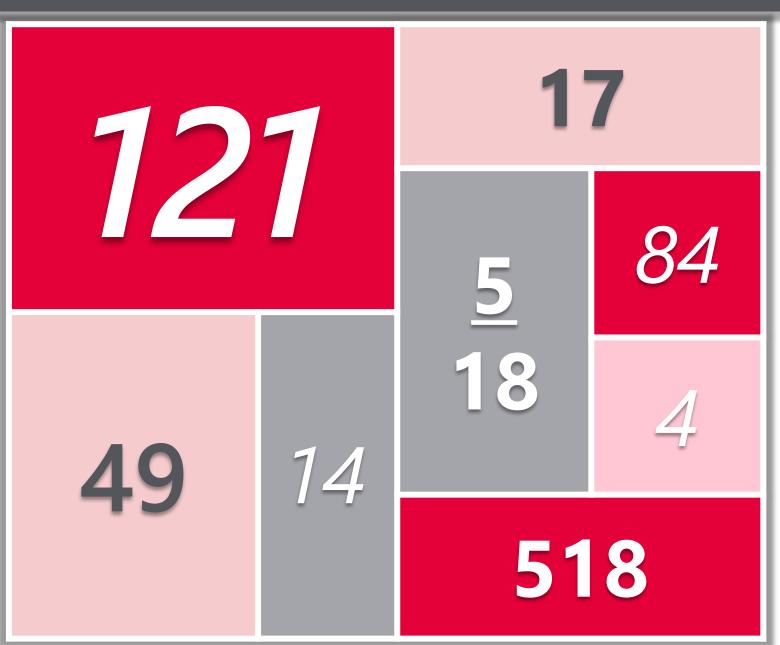




NFRC overview



Currently

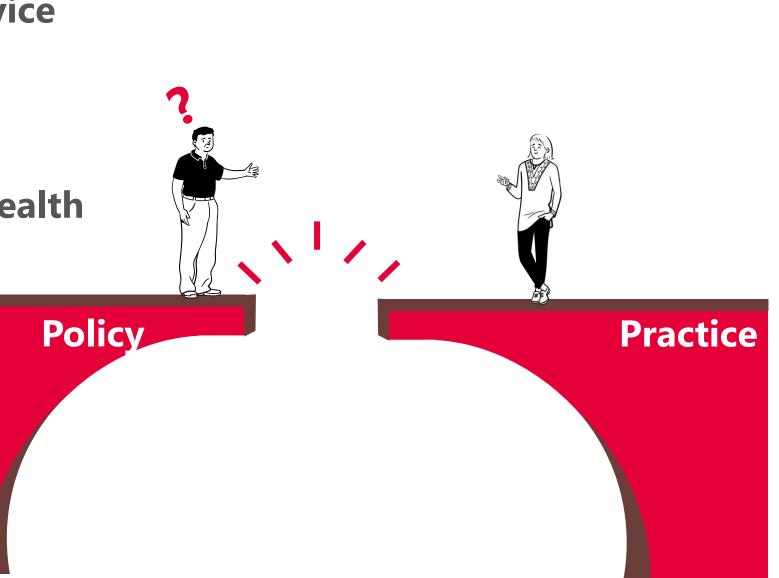


- **121** Technical & safety publications
- **17** New technical publications currently being formulated
- **49** External committees attended
- 14 BS committees NFRC are members of
- 84 British Standards
- 5 NRC Technical committees
 - **18** and working groups
- A National Occupational Standards
 reviewed
- **518** Technical enquiries in 2023



Technical support and advice

- Technical **support** and **advice** for **all roofing disciplines**
- Health, Safety and Environmental support
- Signposting for mental health and wellbeing support



What an achievement...

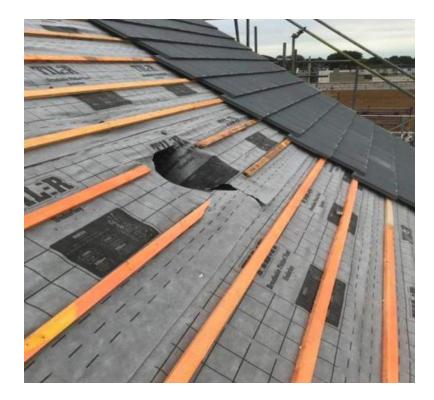


Health & Safety

Battens









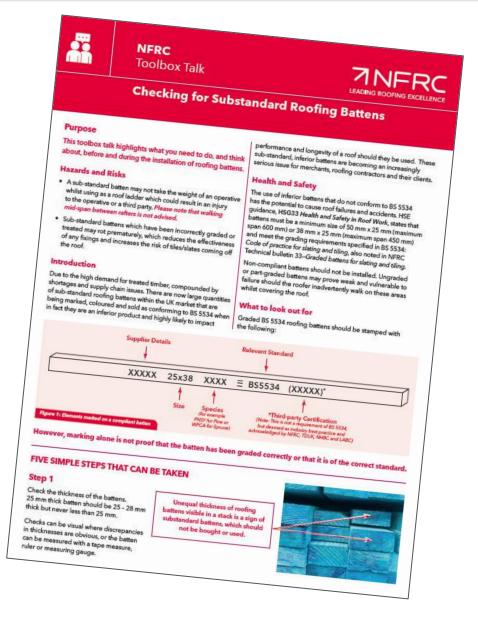
Internal Fall Prevention (IFP)



V NFRC Health & Safety Guidance (HSGS15) **NFRC** Internal fall protection requirements for pitched roofs on new build homes LEADING ROOFING Falls from height remain one of the biggest causes of accidents and fatalities in construction, therefore it is important that the hierarchy of fall protection set out In the event that a roof batten broke under the weight of an in the Work at Height Regulations 2005 is followed operative, there is only the strength of the underfeit membrane to prevent the operative falling through into the roof void. and as such the potential risk of injury remains high. Home builders constructing new homes should instal Home our core constructing new mannes anatotic internal internal fall protection to protect the workers installing roof The NFRC therefore recommends that the internal fail protection coverings from injuring themselves while working above is not removed by the home builder or main contractor until open roof trusses. Types of internal fall protection include te nos removed by the norme provident or main concreation when it is safe to do so; ideally when the roofing works have been open non muses. types or exertise an protection mone proprietary decking systems or air bags/bean bags as It is save to no so: meanly when the round works have been felled, out as a minimum when the roof has been felled, battened and completely leaded out. Following an investigation with our members, it was noted that At no point would we advocate that the internal fall protection renowing an intersugation with our internation, in which holes a test systems to be some UK House Builders allow internal fail arrest systems to be the two points receive the avoidance of a size the time the protocol be removed before this point, unless the risk assessment deems that it is safe to do so. removed once the roof is felted and battened; unfortunately though this only addresses one aspect of the risk involved. Although operatives are instructed and trained to only walk where the tile battens are attached to the trusses, it is possible for the operative to lose their balance and place their foot mid-span of the truss to prevent them from falling over This risk increases further when the roof is being loaded out with roof tiles, because the operative is stood in the upright position along the truss line, while walking up the roof carrying the roof coverings. Published by NFRC 020 7638 7663 info@nfrc.co.uk www.nfrc.co.uk @TheNFRC December 2020 Note: Although care has been taken to ensure, to the best of our knowledge, that all data and information contained herein is a survey of star and an although a start and an although a start and a s Note: Attrough care has been taken to ensure, to the best of our knowledge, that an osta and intermation constituted interest is accurate to the extent that they relate to either matters of fact or accepted practice or insteas of opinion at the time of publication, accurate to the extent that they relate to either matters of fact or accepted practice or insteas of opinion at the time of publication, according to the extension and the relations are responsibility, for any annue to or minounseastations of such data and only on the extension of the other to the extension of the other to the other accurate to the extent that they relate to either matters of fact or accepted practice or matters of opmion as the time of public NRRC, the authors and the reviewers assume no responsibility for any errors in or man presentations of such data and/or Determined to a such as a such as a such as the second such as the s NF8c, the authors and the reviewers assume no responsibility for any errors in or manaprosentations of such data and/or information or any loss or damage analog from or related to their use. Data and information are provided for general guidance only information and always sets analog of the statement of the use of automatic terror budgets and/or analog of the statement of th incomistion or any ross or camoge anising from or related to their use. Units and incomposition are provided for get and readers must always take specific advice in relation to the use of materials, techniques and/or applications. **7**NFRC LEADING ROOFING EXCELLENCE

Roofing battens Safety Alert and Toolbox Talk

Batten Safety BS 5534 graded battens may be used as an alternative to roof ladders in line with current guidance in the Health and Safety Executive's HSG 33 "Health and Safety in Roof work" and INDG 284 "Working on Roofs".





Roofing battens

Check the documentation with each delivery of batten, it should state at least the following:

- Name of supplier *(the company that graded the roofing battens NOT the distributor)*
- Origin *(imported and/or the timber species code)*
- Graded in accordance with BS 5534
- Basic size
- Type of preservative *(where applicable)*



Sequence

- Not roofing contractors
- Not trained for working at height
- Delay in installation contrary to BS 5534 and BS 8000 part 6





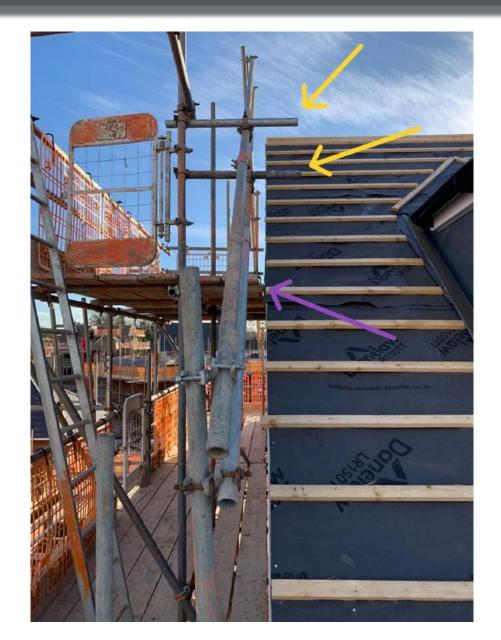
HSG33 Update: Slated and Tiled (pitched) Roofs

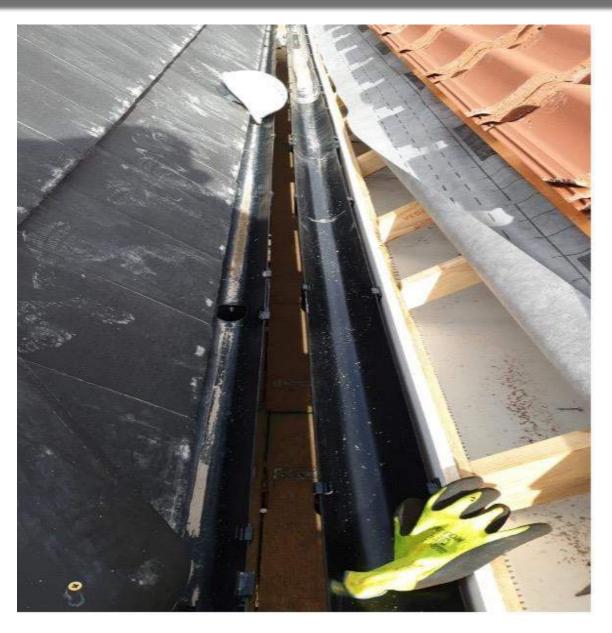
- Walking on the laid roof covering should be avoided;
- Reduce foot traffic on the finished roof;
- On most sloping roofs, suitable roof ladders or crawling boards will be essential;





Hazards during and post construction



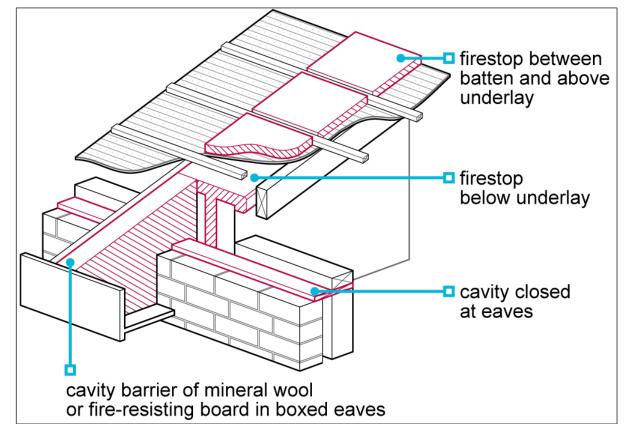




Fire Stopping

Firestop to Party and Compartment Walls

- The space between the top of a party or compartmental wall and the slates or tiles should be completely filled with a fire topping material above and below the underlay to fill all gaps.
- Packing should be compressed by the slates or tiles.
- There should be no path for smoke or flame to penetrate from one side of the wall to the other.
- Fire protection should extend into any void, such as boxed eaves.





Domestic Technical Handbook Section 2 Fire

• 2.2.1 Dwellings in different occupations

• 2.2.2 Dwellings with common occupation

- 2.2.3 Separation between domestic and nondomestic buildings
 2. Separation between column
- 2.2.4 Domestic Garages

,							
	1	2	3	4	5	6	7
	Construction	Fire resistance duration	British Standards Load bearing capacity (mins)	British Standards Integrity (mins)	British Standards Insulation (mins)	European Standards	Test exposure
า	 Structural frame, column or beam 	Short	30	None	None	R 30	Faces exposed on the inside
		Medium	60	None	None	R 60	
		Long	120	None	None	R 120	
	2. Separating floor or any other floor, used as a protected route of escape (2.0.6)	Short	30	30	30	REI 30	From the underside
		Medium	60	60	60	REI 60	
		Long	120	120	120	REI 120	

Table 2.9 Fire Resistance Duration



Thank you

