



**NSAI**

# Standards & certification schemes for roadside & farm fencing

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3 September 2015

# Standards (1 of 9)

I.S. 435:Part 1:2005

Timber Post and Rail Roadside  
Fencing

Part 1: Materials

# Standards (2 of 9)

I.S. 435:Part 2:2005

Timber Post and Rail Roadside  
Fencing

Part 2: Erection of fencing by  
excavation for posts

# Standards (3 of 9)

I.S. 435:Part 3:2005

Timber Post and Rail Roadside  
Fencing

Part 3: Erection of fencing by driving  
of posts

# Standards (4 of 9)

I.S. 436:2007

Farm Fencing – Timber Post and Wire

# Standards (5 of 9)

I.S. 437:2008

Horse and Stud Fencing –  
Timber Post and Rail

# Standards (6 of 9)

BS 8417:2011+A1:2014  
Preservation of wood –  
Code of practice

# Standards (7 of 9)

I.S. 127:2015

Structural timber - visual strength grading - Sawn softwoods with rectangular cross-section



# Standards (8 of 9)

I.S. EN 14081-1:2005+A1:2011

Timber structures - Strength graded structural timber with rectangular cross section –

Part 1: General requirements

# Standards (9 of 9)

- Consultative Committees (TG4)
- Revisions to Standards
- Updates on existing products
- New products
- Safety issues

# Certification Schemes (1 of 4)

- Scheme Rules & Fees
- Auditing Duration & Frequency
- Audits in Ireland
- Audits overseas

# Certification Schemes (2 of 4)

## Type of Schemes:

a) Batch release of timber products  
(Being phased out)

b) Factory Production Control (Model)  
(Being phased in)

# Certification Schemes (3 of 4)

I.S. 435:Part 1:2005

Timber Post and Rail Roadside  
Fencing

Part 1: Materials

**Number of Companies Registered: 5**

# Certification Schemes (4 of 4)

I.S. 436:2007

Farm Fencing – Timber Post and Wire

**Number of Companies Registered: 8**

# Items of interest (Saw mills)

- 1) Procedures / Scheme documentation
- 2) Training
- 3) Safety
- 4) Heartwood / Sapwood
- 5) Approved species
- 6) Dimensions
- 7) Cutting (Weathering) & pointing
- 8) Grading
- 9) Drying / Moisture content
- 10) Stickers / Lathes

# Items of interest (Treatment Providers)

- 1) Scheme procedures / documentation (SOP / WI)
- 2) Equipment manuals (Tank) / Maintenance
- 3) Training / Safety
- 4) Heartwood / Sapwood
- 5) Concentration of preservative
- 6) Preservative penetration / Preservative retention
- 7) Charge sheets / Treatment runs
- 8) Records
- 9) Incising
- 10) Transportation pre and post treatment



# Stakeholders (1 of 2)

- Sawmills
- Preservative Suppliers
- Treatment Providers
- Transport Companies
- Fencing Contractors

# Stakeholders (2 of 2)

- The National Roads Authority (NRA)  
/ County Councils / Agents
- County Councils / Local Authorities
- Department of Agriculture,  
Fisheries and Food
- Farmers
- Land Owners

# On Site Work (1 of 2)

1. The National Roads Authority (NRA) / Agents
2. Department of Agriculture, Fisheries and Food
3. Policing of installation work

# On Site Work (2 of 2)

- 1) Ground conditions
- 2) Installation types
- 3) Cutting of posts
- 4) Cross cutting of rails
- 5) Wire & fixings
- 6) Records (Paper Trail)

# How to contact NSAI

- Online [www.NSAI.ie](http://www.NSAI.ie)
- Email [info@nsai.ie](mailto:info@nsai.ie)
- Tel 01 807 3800
- Buy standards [www.standards.ie](http://www.standards.ie)
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# Q & A

- Thanks for the opportunity to make the presentation & for your attention
- Safe motoring, working