



Tanasote™

**A Modern Twist
on an Old Classic**

Tanasote

The Future for High Performance Timber



- A unique Cu oil alternative to creosote inc a Powerful co-biocide
- Formulated to deliver long service life
- Low hazard classification, BPR authorisation pending
- Low viscosity for optimal treatment properties used at 50-60°C
- Proven and accepted oil for industrial applications – North America experience
- Very low VOC
 - Industrial Emissions Directive (IED) compliant
 - Low odour
- Water repellent for optimal stability of treated timber in use

Future Proofed Formulation

BPR authorisation

Active substances

- All actives on BPR Authorised List of Active Substances
- No ED substances
- No BPR exclusion criteria met for any active
- No candidates for substitution (comparative assessment not required)



A product that works

Service life expectations



■ Long-service life expectation

- Designed to minimise early failures and deliver long service life
- Designed to minimise early mechanical failures

Species	Market	Poles/ service life in years		Creosote retention
		Creosote	TANASOTE	
Pine	UK	40-60	40	185kg/m3 creoste in treated zone, ~110kg/m3 overall
	Scandinavia	30-40	40	110-130 kg/m3 creosote in treated zone, 75-80kg/m3 overall
Spruce	Germanic	30-35	25-30	Incised at ground line
	Market	Sleepers / service life in years		Creosote retention
		Creosote	TANASOTE	
Pine	UK	20-30	20-30	185kg/m3 creoste in treated zone, ~85kg/m3 overall
Oak	France	30-40	30	Overall 35 +/-15kg/m3
Azobe	France	30-40	30	Overall 35 +/-15kg/m3
Beech	Germanic	30-35	30	Overall 130 +/- 20 kg/m3

Creosote service lives based on information from literature, industry and independent sources



A Product that Performs

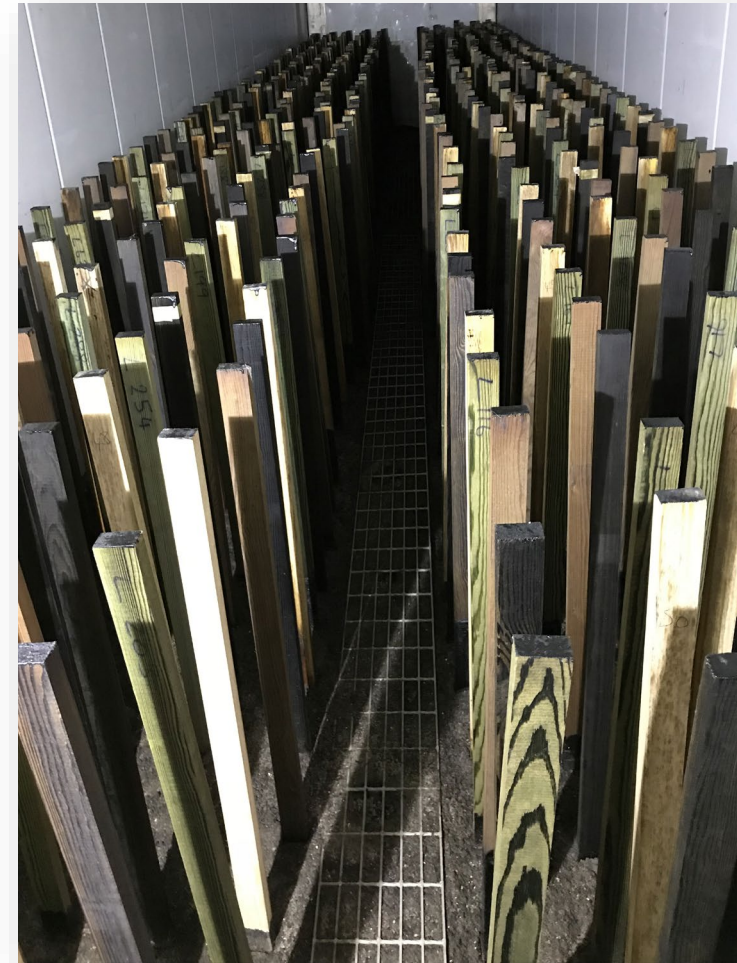


- **Field tests in:**
 - Europe
 - USA
 - Tropics

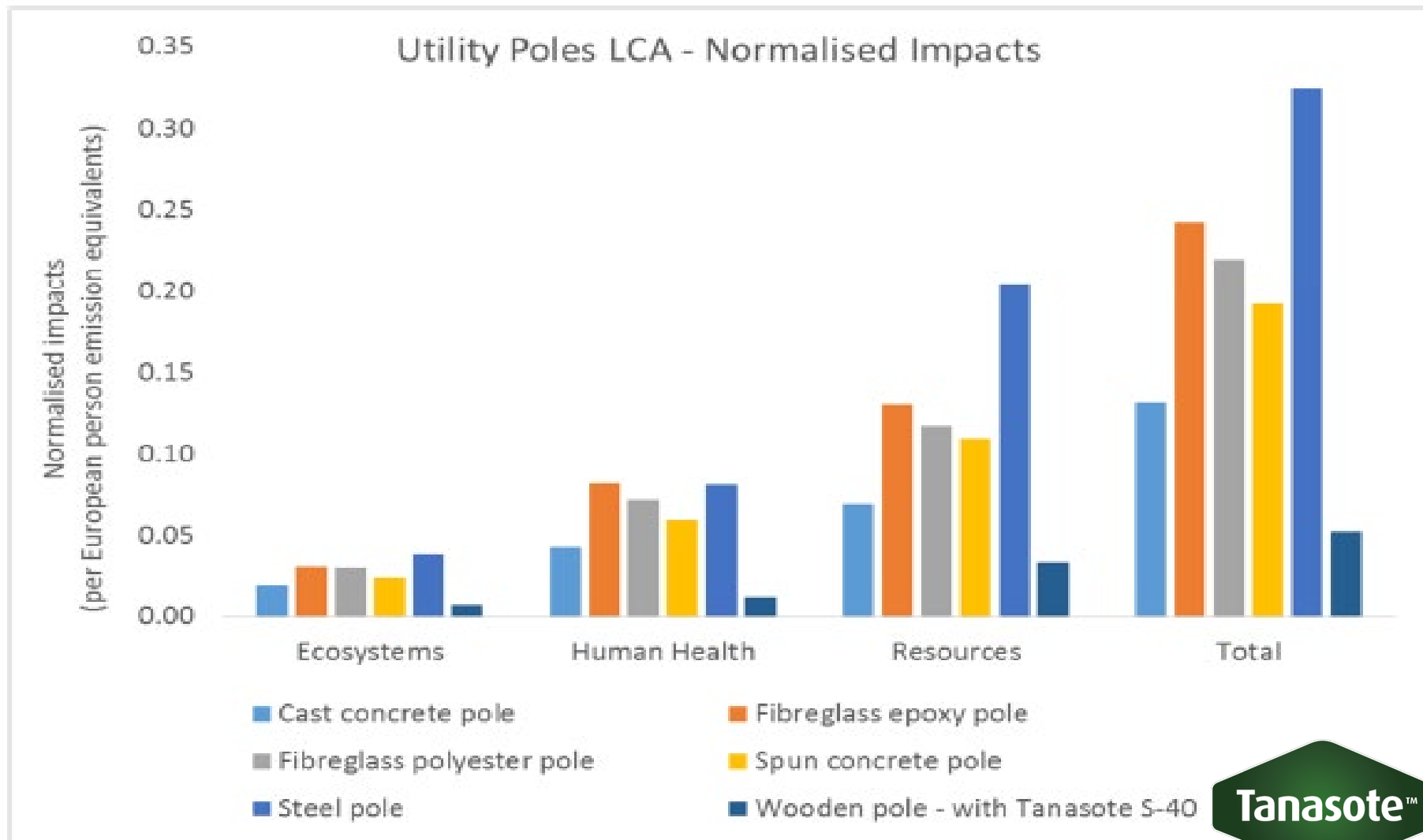
- **Fungal cellar testing in **UK** and **Germany****

- **Industry participation**
 - Pole trials
 - Sweden
 - Germany
 - UK (telecommunication and power)
 - Norway (2x sites)

 - **Sleeper trials - Europe**



LCA for TANASOTE treated pole vs competing materials





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