

ASCOT
electrical heating

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www.lot20.co.uk

Introduction into Lot20 directive – By Premspec Group Ltd



Module 1 -Lot20 Explained

- WHY WAS LOT20 INTRODUCED?
- WHAT IS LOT20 COMPLIANCY?
- WHAT IS THE CRITERIA?
- WHO IS CURRENTLY COMPLIANT?
- WHAT TYPES OF HEATING ARE AFFECTED?

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Why was Lot20 introduced?

- Reduce environmental impact from heating products
- To eliminate inefficient electric heating with basic controls and inaccurate thermostats from the market.
- To ensure that all electric heating provides an energy efficient, low cost alternative to gas heating.
- Provide the market with a significantly improved product to the outdated storage heaters
- Reduce energy consumption through smart technology.
- Regulate the industry. Eco-friendly heaters now all fall under the same standard, Lot20.



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What is Lot20 compliancy?

- A European directive introduced in Jan 2018.
- Local space heaters must incorporate specific smart technology to be eligible for install.
- A local space heater must meet a minimum efficiency standard of 38%. More smart technology will improve this rating.
- Measured by seasonal energy efficiency ratio (SEER) – All Lot20 products must meet a minimum standard.



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What is Lot20 compliance criteria?

- 30% efficiency standard is the base for all electric heaters. Lot20 minimum = 38%
- Extra percentage points added when certain performance factors are applied to each product
- Basic controls will add 0%. An interior temperature control function (thermostat) and 24/7 programmable timer adds 7%.
- Open window detection, adaptive start up and remote control functions add further 3%.
- Anything above 39% is considered the most efficient best performing product available.

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Who is currently compliant?



- ASCOT – 40%
- Rointe – 40%
- Haverland – Unknown
- Intellirad (CEFco) – Unknown
- Fahro – Unknown



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What other products are affected?

- Electric Radiators
- Electric Towel rails
- Panel Heaters
- Infrared Heaters
- Storage Heaters
- Underfloor Heating
- Radiant Heaters
- Electric Fires
- Gas Fires



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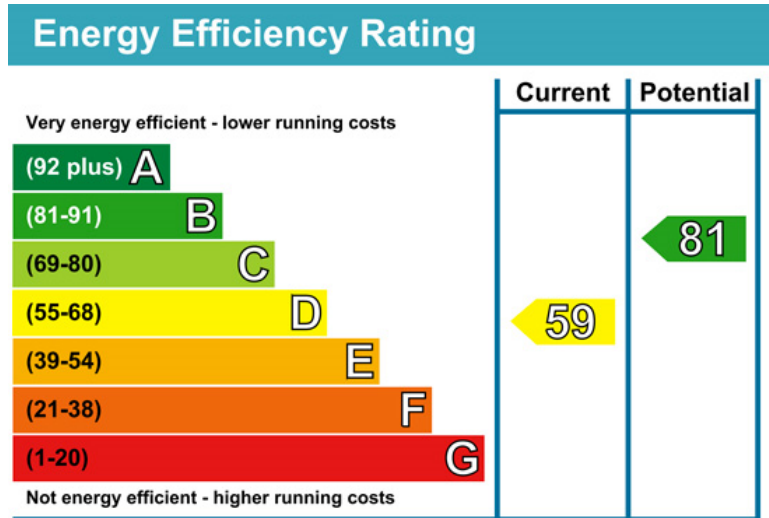


Module 2 - How Lot20 is affecting construction

- LOT20 AND EPC
- GOVERNMENT CARBON TARGETS AND OPPORTUNITIES FOR ELECTRICIANS

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Lot20 and EPC



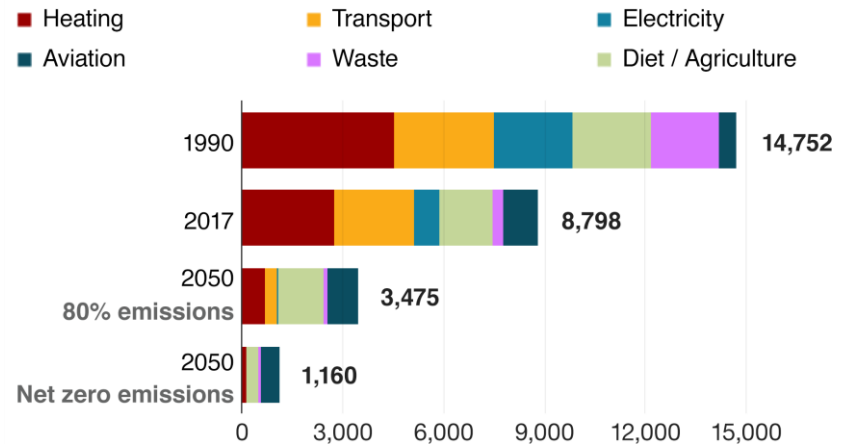
- EPC – Energy Performance Certificate
- Currently, only storage heaters and convector heaters are eligible for SAP points...but this looks to be changing.
- SAP document 10 is changing to consider more renewable energy sources providing our electricity. Source – Ecofutures.
- Developers and housing associations across South Wales have made plans to work with the governments 2025 ban on gas.

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Government carbon targets and opportunities for electricians

Household emissions in 1990, 2017 and 2050

Annual emissions, kilogrammes of CO2



Source: Climate Change Committee/BEIS (2019)

BBC

- Target – Zero greenhouse gas emissions by 2050
- Ban on gas heating after 2025
- Housing associations across Wales are going down Electric route. Some already installing Lot20
- Local authorities are also preparing for this and looking at alternatives.

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How you benefit

- A detailed and informed understanding of Lot20 and opportunities available through:

Best practice of installation

Understanding different types of heat and where to apply

Understanding costs breakdown and ways in which heaters work that make them efficient

- Your accreditation will be present on the #MyInstall part of website and made available to specifiers etc.



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