Background facts

- Environmental hazards and increasing costs associated with the use of fossil fuels
- The ongoing urgency to reduce CO2 emissions
- The need for new technology to replace
- outdated processes
- Over 10 construction site fires per day
- Large proportion caused by use of gas torches
- £500m+ cost to insurance companies each year
- due to construction site fires
- Severe and life changing consequences for all



What is an Etorch?

- A powerful electric torch designed to perform like a traditional roofers gas torch
- Delivers super-heated dry air at speed and volume and temps up to 650oC
- Can perform tasks from drying up substrates to fusing sheet membrane
- Is simple and safe to use, completely mobile and versatile



How does it work?

- Its power source is 3 phase electricity
- 3-phase power is common in large businesses and construction sites, as well as in industry and manufacturing
- 3-phase is safe and highly efficient for equipment designed to run on this type of power source
- The Etorch offers the highest level of protection safeguarding the operative from electric shock
- A total cable length of 23 Lm (15 Lm to power source; 8Lm from PLC unit to torch) offers a wide reach
- The Etorch operates at temperatures of 450oC-650oC with variable speed function
- A PLC unit delivers control of temperature, mode (dry or detail) and fan speed
- A trigger on the torch activates the volume and speed of air output
- The torch is heat shielded with cool sides and the whole unit light and manoeuvrable



What can it do?

- It dries up any substrate from old felt to bare
- concrete very quickly using the drying blade.It takes max 2 mins to dry 1 m2, drying to a greater depth than a gas torch
- It can install self-adhesive membranes instantly
- Heat & air output can be focused & controlled
- preventing damage to membranes
- Has 3 power sockets for hand held detail welders and transformers to be connected to the unit





Intelligent thinking. Clever design Factsheet







How does the user benefit?

• Faster drying and installation times than conventional hot air gun, self-propelled hot air welder or gas torch

• 73% less expensive to run than a gas torch (excluding additional logistic costs)

• Controlled temp of heat so less damage to materials

• No naked flame so reduces risk of fire & fire related injuries

• No gas, cages, or other complex equipment required

• Reduces need for hot works permits & complex method statements

• Increases productivity as it reduces the need for additional 'watching' staff





Are there any environmental benefits?

- Uses clean environmentally friendly electricity
- Zero carbon footprint at point of use
- A gas torch produces 75kw of energy and
- an Etorch only 22kw
- No noxious emission such as CO2 and CO



Basic safety principles

not get waterlogged

Undertake training and read the user guide for full range of details and safety information
Even though there is no naked flame there is still high heat so wear the correct PPE – leather gauntlets and ear defenders

• Always disconnect power source before carrying out any inspection

Always check the unit before use for any damage to cables or other parts
Ensure the torch, fan unit and plc does



How to look after the Etorch

- Carry out regular pre-use checks
- Ensure the unit is unplugged, powered off and stored properly at the end of each working shift
 Store the unit indoors when not in use and do not leave outside in wet weather
- Keep it clean, transport it securing upright
- Ensure PAT testing is carried out to cables
- Ensure the unit is serviced as required

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