

## **BREEAM STATEMENT IN RELATION TO INVA HOME LIFT**

The following information is provided to assist in the formulation of the BREEAM assessment:

### **First impact/ production:**

There are no hazardous materials used in the production of the unit. The unit has been manufactured for over 15 years with technological advances being incorporated into the unit.

### **Installation:**

Installation does not impact the environment. Power consumption is low as battery power tools are used. Noise level pollution is also very low due to the small length of time involved in the installation and the type of tools required. We send approximately 89% of the packing crate back to the factory for recycling.

### **Commissioning:**

During the commissioning process no excessive power is required and there are no emissions.

### **Use:**

Lighting – power consumption is reduced by the use of LED`s and timed shut downs on the main lights.

Power – The power source is from a 240V 0.55KW synchronised electric motor. The motor only draws electricity when travelling in the up direction. The normal running current is 3.2 Amps. The unit has the ability to go into a dormant state after a defined interval following use. The motor uses substantially less power in the downward direction due to the motor regenerating power.

Consumables – the only ongoing consumables are lubricating oils and basic cleaning products.

Emissions – the unit does not produce any harmful emissions during its use.

**Maintenance and fault finding:**

The unit has a built in fault diagnostic system in each landing push station and indicates the fault by a sequence of flashing LED lights which determines the fault with the lift. The microprocessor also has a built in diagnostic system which monitors and protects incoming and outgoing voltages and signals. These systems speed up the fault finding and help the maintenance process.

**End of service:**

As the unit is self contained within its own shaft it can be re sited with very low impact on the environment. If the unit is to be scrapped, a large amount of the unit is recyclable as it consists of steel. Other parts can be used again such as LED lights, the platform, microprocessor, motor, inverter and push buttons.

**Life Span:**

In normal usage situations the life expectancy of the major components is at least 15 years. The overall cost of ownership is very low over the products life.