



## Polyflor – Total Green House Gas (GHG) Emissions 2018

**Direct GHG** ‘emissions from sources that are owned or controlled by the organization’, such as:

- **Stationary Combustion:** from the combustion of fossil fuels (e.g. natural gas, fuel oil, propane, etc.) for comfort heating or other industrial applications
- **Mobile Combustion:** from the combustion of fossil fuels (e.g. gasoline, diesel) used in the operation of vehicles or other forms of mobile transportation
- **Process Emissions:** emissions released during the manufacturing process in specific industry sectors (e.g. cement, iron and steel, ammonia)
- **Fugitive Emissions:** unintentional release of GHG from sources including refrigerant systems and natural gas distribution

### **Diesel**

Fuel	Unit	kg CO <sub>2</sub> e
Diesel (average biofuel blend)	tonnes	3,132.15
	litres	2.62694
	kWh (Net CV)	0.26349
	kWh (Gross CV)	0.24768

Diesel used (Fleet + Cars) = 477863 + 111564 = 589427 litres = 1460 Tonnes CO<sub>2</sub>

### **Gas**

Fuel	Unit	kg CO <sub>2</sub> e
Natural gas	tonnes	2746.63
	cubic metres	2.04652
	kWh (Net CV)	0.20437
	kWh (Gross CV)	0.18396

Gas used = 23903968 + 19417988 = 43321956 KWh                      7970 Tonnes CO<sub>2</sub>

**Energy Indirect GHG** ‘emissions from the consumption of purchased electricity, steam, or other sources of energy (e.g. chilled water) generated upstream from the organization’.

### **Electricity**

Activity	Country	Unit	Year	kg CO <sub>2</sub> e
Electricity generated	Electricity: UK	kWh	2018	0.28307

Electricity used = 19650389 + 6862936 = 26513325 KWh                      7505 Tonnes CO<sub>2</sub>

**Direct GHG Totals = 9,430 Tonnes CO<sub>2</sub>**

**Indirect GHG Totals = 7,505 Tonnes CO<sub>2</sub>**

## **Polyflor - Whitefield Green House Gas (GHG) Emissions 2018**

**Direct GHG** 'emissions from sources that are owned or controlled by the organization', such as:

- **Stationary Combustion:** from the combustion of fossil fuels (e.g. natural gas, fuel oil, propane, etc.) for comfort heating or other industrial applications
- **Mobile Combustion:** from the combustion of fossil fuels (e.g. gasoline, diesel) used in the operation of vehicles or other forms of mobile transportation
- **Process Emissions:** emissions released during the manufacturing process in specific industry sectors (e.g. cement, iron and steel, ammonia)
- **Fugitive Emissions:** unintentional release of GHG from sources including refrigerant systems and natural gas distribution

### **Diesel**

Fuel	Unit	kg CO <sub>2</sub> e
Diesel (average biofuel blend)	tonnes	3,132.15
	litres	2.62694
	kWh (Net CV)	0.26349
	kWh (Gross CV)	0.24768

Diesel used (Fleet + Cars) = 477863 + 111564 = 589427 litres = 1460 Tonnes CO<sub>2</sub>

### **Gas**

Fuel	Unit	kg CO <sub>2</sub> e
Natural gas	tonnes	2746.63
	cubic metres	2.04652
	kWh (Net CV)	0.20437
	kWh (Gross CV)	0.18396

Gas used = 23903968 KWh                      4397 Tonnes CO<sub>2</sub>

**Energy Indirect GHG** 'emissions from the consumption of purchased electricity, steam, or other sources of energy (e.g. chilled water) generated upstream from the organization'.

### **Electricity**

Activity	Country	Unit	Year	kg CO <sub>2</sub> e
Electricity generated	Electricity: UK	kWh	2018	0.28307

Electricity used = 19650389 KWh                      5562 Tonnes CO<sub>2</sub>

**Direct GHG Totals = 5,857 Tonnes CO<sub>2</sub>**

**Indirect GHG Totals = 5,562 Tonnes CO<sub>2</sub>**

## **Polyflor - Riverside Green House Gas (GHG) Emissions 2018**

**Direct GHG** 'emissions from sources that are owned or controlled by the organization', such as:

- **Stationary Combustion:** from the combustion of fossil fuels (e.g. natural gas, fuel oil, propane, etc.) for comfort heating or other industrial applications
- **Mobile Combustion:** from the combustion of fossil fuels (e.g. gasoline, diesel) used in the operation of vehicles or other forms of mobile transportation
- **Process Emissions:** emissions released during the manufacturing process in specific industry sectors (e.g. cement, iron and steel, ammonia)
- **Fugitive Emissions:** unintentional release of GHG from sources including refrigerant systems and natural gas distribution

### **Diesel**

Diesel used = 0 litres 0 Tonnes CO<sub>2</sub>

### **Gas**

Fuel	Unit	kg CO <sub>2</sub> e
Natural gas	tonnes	2746.63
	cubic metres	2.04652
	kWh (Net CV)	0.20437
	kWh (Gross CV)	0.18396

Gas used = 19417988 KWh = 3,572 Tonnes CO<sub>2</sub>

**Energy Indirect GHG** 'emissions from the consumption of purchased electricity, steam, or other sources of energy (e.g. chilled water) generated upstream from the organization'.

### **Electricity**

Activity	Country	Unit	Year	kg CO <sub>2</sub> e
Electricity generated	Electricity: UK	kWh	2018	0.28307

Electricity used = 6862936 KWh = 1,943 Tonnes CO<sub>2</sub>

**Direct GHG Totals = 3,572 Tonnes CO<sub>2</sub>**

**Indirect GHG Totals = 1,943 Tonnes CO<sub>2</sub>**