

Polyflor Ltd – TOTAL Green House Gas (GHG) Emissions

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 Consumed (litres)	604,977
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Fuel	Unit	kg CO ₂ e	kg CO ₂
Diesel (average biofuel blend)	tonnes	3108.52039	3082.82224
	litres	2.61163	2.59007
	kWh (Net CV)	0.26161	0.25946
	kWh (Gross CV)	0.24592	0.24389

Diesel used = 604,977 litres 1580 Tonnes CO₂

Gas

Fuel	Unit	kg CO ₂ e
Natural gas	tonnes	2715.82599
	cubic metres	2.02838
	kWh (Net CV)	0.20444
	kWh (Gross CV)	0.18400

Gas used = 39,949,090 kWh = 7,351 Tonnes CO₂

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 ₂ e
Electricity generated	Electricity: UK	kWh	2016	0.41205

Electricity used = 26,727,864 kWh = 11,013 Tonnes CO₂

Direct GHG Totals = 8,931 Tonnes CO₂

Indirect GHG Totals = 11,013 Tonnes CO₂

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	litres	2.61163	2.59007
	kWh (Net CV)	0.26161	0.25946
	kWh (Gross CV)	0.24592	0.24389

Diesel used = 604,977 litres = 1,580Tonnes CO₂

Gas

Fuel	Unit	kg CO ₂ e
Natural gas	tonnes	2715.82599
	cubic metres	2.02838
	kWh (Net CV)	0.20444
	kWh (Gross CV)	0.18400

Gas used = 24884527 KWh = 4579 Tonnes CO₂

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 ₂ e
Electricity generated	Electricity: UK	kWh	2016	0.41205

Electricity used = 20658740 KWh = 8512 Tonnes CO₂

Direct GHG Totals = 6,159 Tonnes CO₂

Indirect GHG Totals = 8,512 Tonnes CO₂

Riverside Flooring Ltd – Green House Gas (GHG) Emissions

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

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- **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 CO₂

Gas

Fuel	Unit	kg CO ₂ e
Natural gas	tonnes	2715.82599
	cubic metres	2.02838
	kWh (Net CV)	0.20444
	kWh (Gross CV)	0.18400

Gas used = 15,064,563 KWh = 2,772 Tonnes CO₂

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 ₂ e
Electricity generated	Electricity: UK	kWh	2016	0.41205

Electricity used = 6069124 KWh = 2,501 Tonnes CO₂

Direct GHG Totals = 2,772 Tonnes CO₂

Indirect GHG Totals = 2,501 Tonnes CO₂