



Choosing the right

MODEK manufactures a wide range of rooflighting systems that are suitable for any type of building, be it a home, a warehouse, a commercial building or a sporting facility.

MODEK product

Domestic household

MODEK recommends the use of glass-reinforced polyester (GRP) or polycarbonate sheeting for domestic applications such as roofing, carports, sun patios and garden sheds.

Material and mass	Purlin spacings	Weather conditions	Lifespan
GRP 1.1kg/m ²	900mm	Moderate	5–7 years
GRP 1.4kg/m ²	1 000mm	Moderate	10–15 years
Polycarbonate 0.8mm	900mm	Moderate	7–10 years
Polycarbonate 1.0mm	1 000mm	Moderate	10–12 years

Light industrial and warehousing

MODEK recommends the use of glass-reinforced polyester (GRP) or polycarbonate sheeting for light industrial and warehousing applications such as roofing and rooflighting.

Material and mass	Purlin spacings	Weather conditions	Lifespan
GRP 1.8kg/m ²	1 500mm	Adverse	10–15 years
GRP 2.4kg/m ²	1 800mm	Hostile	15–25 years
Polycarbonate 1.0mm	1 000mm	Moderate	10–15 years
Polycarbonate 1.20mm	1 500mm	Adverse	12–15 years
Heavy-duty GRP (non-fragile roofing)	2 100mm	Cyclone	20–30 years

Mining and heavy industry

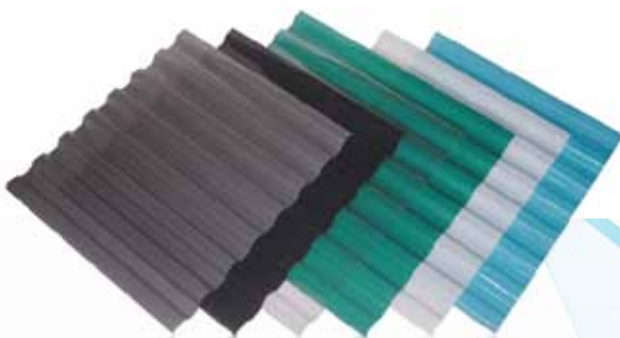
MODEK recommends the use of glass-reinforced polyester (GRP), polycarbonate or chemical resistant sheeting for mining and heavy industrial applications such as roofing, skylighting and cladding.

Material and mass	Purlin spacings	Weather conditions	Lifespan
GRP 1.8kg/m ²	1 500mm	Adverse	10–15 years
GRP 2.4kg/m ²	1 800mm	Hostile	15–25 years
Polycarbonate 1.20mm	1 500mm	Adverse	12–15 years
Chemical resistant sheeting	1 500mm	Cyclone	15–30 years
Heavy-duty GRP (non-fragile roofing)	2 100mm	Cyclone	20–30 years

Commercial and recreational

MODEK recommends the use of glass-reinforced polyester (GRP) and polycarbonate sheeting for commercial and recreational applications such as stadium roofing and skylights and cladding on shopping complexes.

Material and mass	Purlin spacings	Weather conditions	Life span
GRP 2.4kg/m ²	1 800mm	Hostile	15–25 years
Polycarbonate 1.20mm	1 500mm	Adverse	12–15 years
Heavy-duty GRP (non-fragile roofing)	2 100mm	Cyclone	20–30 years



In summary

- **MODEK** manufactures glass-reinforced polyester (GRP) and polycarbonate in a range of masses and thickness.
- As a rule, the heavier the sheeting, the longer its lifespan and the more adverse the weather conditions it will be able to withstand.
- **MODEK** is able to advise clients on which mass should be selected for a given application.