

SYNERGY LTD.

Product Catalogue

PLYWOOD





SYNERGY is a modern vertically integrated wood processing plant that produces high-quality and technologically advanced products:

- large-sized format plywood non-overlaid (WBP) and film faced;
- softwood and hardwood timber of dry and natural moisture, products made therefrom;
- containers seedlings for reforestation.

The presence of their own cutting area and the latest production equipment enables SYNERGY to maintain stability in today's rapidly changing environment.

OUR GUARANTEES



Production of plywood and sawn timber on the latest equipment from top woodworking industry manufacturers



High-tech veneer peeling lines

90%

> 90% of our production processes are fully automated



Automatic laboratory of formaldehyde resins, implemented jointly with the supplier on the territory of the enterprise



Use of industry-leading films and forms for lamination



Expertise in containers seedling production and modern forestry regeneration techniques within our own cutting area

Plywood is in high global demand due to its exceptional strength, rigidity, resistance to humidity, and smooth surface veneer.

Birch plywood is a wood panel 100% made from thin sheets of birch veneer glued together with highly water-resistant adhesives for indoor and outdoor use.

Non-overlaid plywood with cross- or long-grain veneer layers is commonly used in industries that require a balance between lightweight properties and strength. Meanwhile, plywood coated with a phenolic film and sealed edges using waterproof paint is preferred for applications needing enhanced resistance to wear and tear or durability in harsh environments.

Modern equipment and the latest technologies allow SYNERGY Ltd. to produce high-quality birch plywood.

Technical details:

Veneer Type	100% birch
Sizes	2500x1250 mm (8x4), 1250x2500 mm (4x8) 2440x1220 mm (8x4), 1220x2440 mm (4x8)
Plywood Types	long grain or cross grain
Surface Types	not-sanded (NS) sanded (S2S) laminated (film-faced)
Coating	film faced smooth (F/F) film-faced anti-slip (F/W) film-faced hexa for transport industry
Density	640 – 700 kg/m³
Moisture resistance	high
Formaldehyde emission class	E0,5

Number of plies	3	4	5	6	7	9	11	13	15	17	19	21	25	29
Sheet thickness, mm	4	5	6/6,5	8	9	12	15	18	21	24	27	30	35	40

Other sizes available upon request

BIRCH PLYWOOD RANGE

Non-overlaid plywood



Grade E



Grade B, S



Grade BB



Grade CP



Grade C

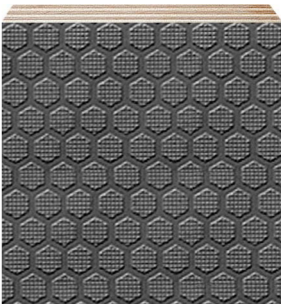
Film faced plywood



Grade F/F



Grade F/W



Grade F/H

**PLYWOOD GRADE E**

Glue: phenol-formaldehyde resin
Emission class: E0,5
Thickness: 4 – 40 mm
Number of plies: 3 – 27 plies

**PLYWOOD GRADE B, S**

Glue: phenol-formaldehyde resin
Emission class: E0,5
Thickness: 4 – 40 mm
Number of plies: 3 – 27 plies

**GRADE BB**

Glue: phenol-formaldehyde resin
Emission class: E0,5
Thickness: 4 – 40 mm
Number of plies: 3 – 27 plies

APPLICATION

Exterior decoration of buildings



Small architectural forms



Playground structures

**GRADE CP**

Glue: phenol-formaldehyde resin
Emission class: E0,5
Thickness: 4 – 40 mm
Number of plies: 3 – 27 plies

**GRADE C**

Glue: phenol-formaldehyde resin
Emission class: E0,5
Thickness: 4 – 40 mm
Number of plies: 3 – 27 plies

APPLICATION

Structural material

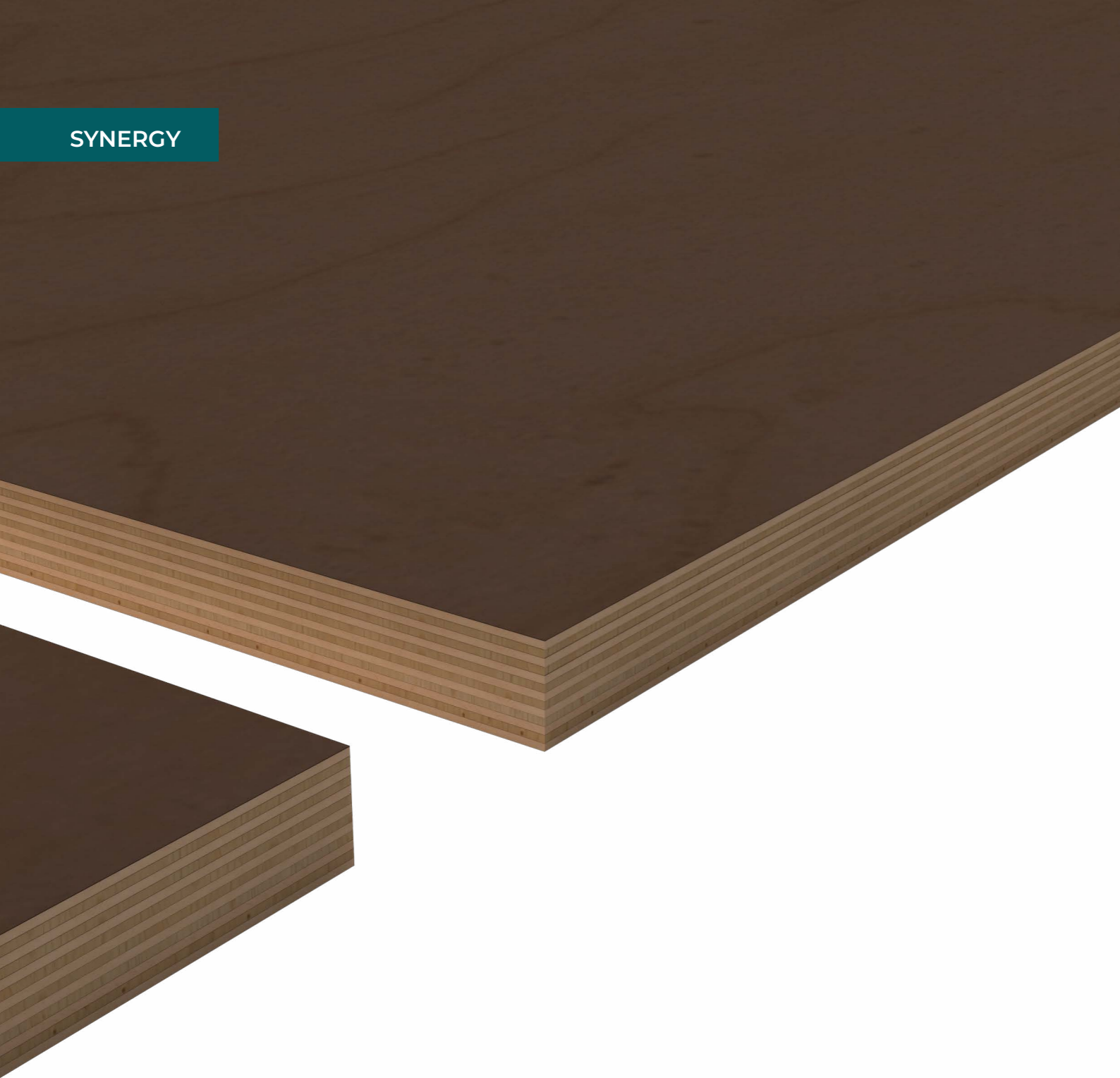


Multipurpose packaging



Exterior and interior finishing

NON-OVERLAID PLYWOOD



SYNERGY

// FILM FACED PLYWOOD

Birch plywood, film faced on both sides, with a smooth surface on both sides



APPLICATION



Formwork systems

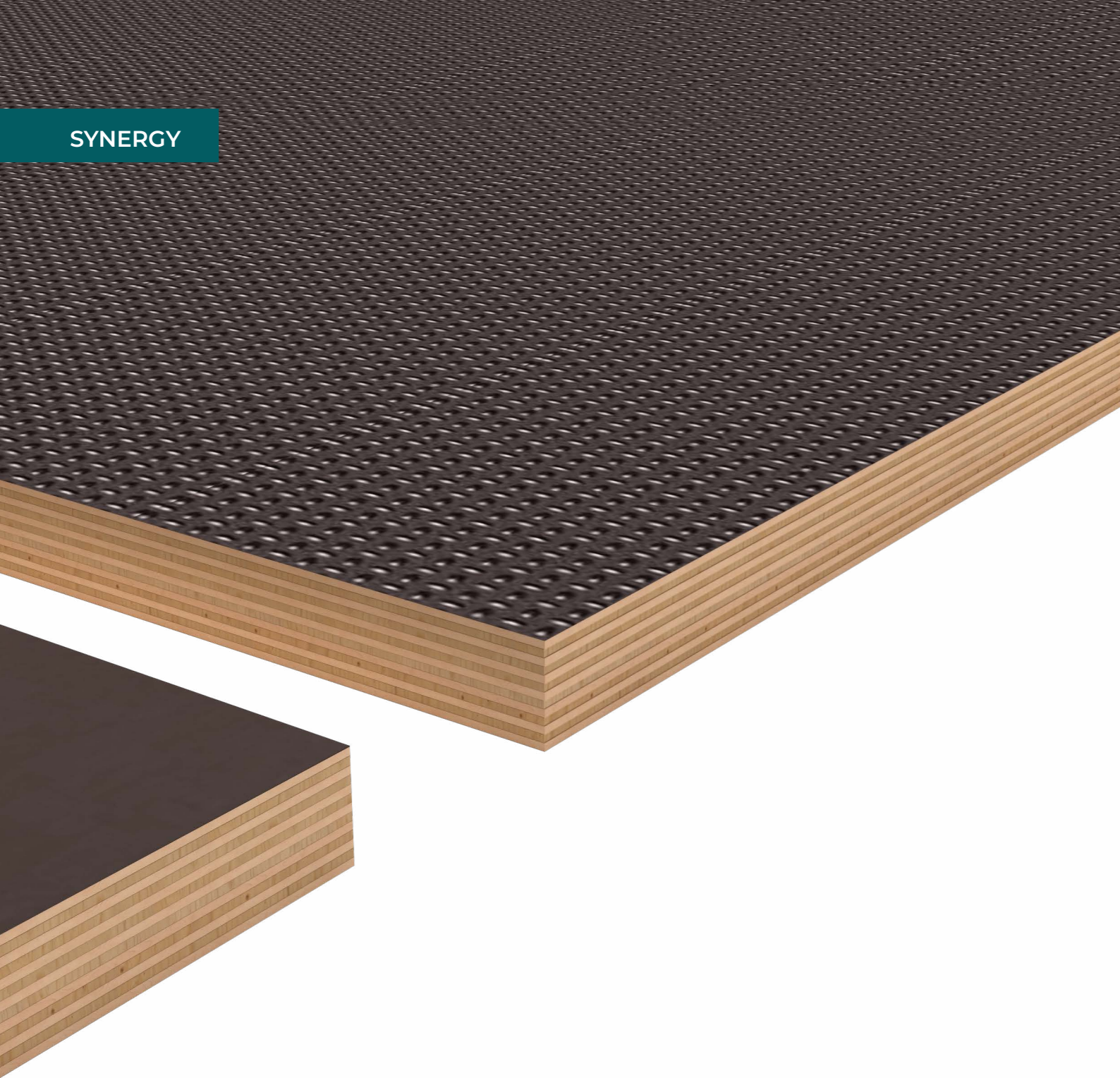


Exterior and interior decoration works

Plywood brand	Film faced
Grade	B, S, BB and CP
Glue	phenol-formaldehyde
Resin film density	up to 220 g/m ²
Sealing of edges	waterborne acrylic based paint
Thickness, mm	18 – 21
Number of plies	13 – 15
Wear resistance (revs according to Taber test)	350

FILM FACED
PLYWOOD

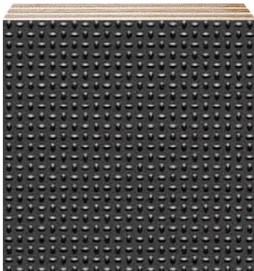
The thickness of plywood can be changed according to the customer’s wishes in the sizes of 6 – 30 mm



SYNERGY

// ANTI-SLIP PLYWOOD

Birch plywood, film faced on both sides,
smooth surface on one side and mesh surface on the other



APPLICATION



Floor in heavy commercial vehicles



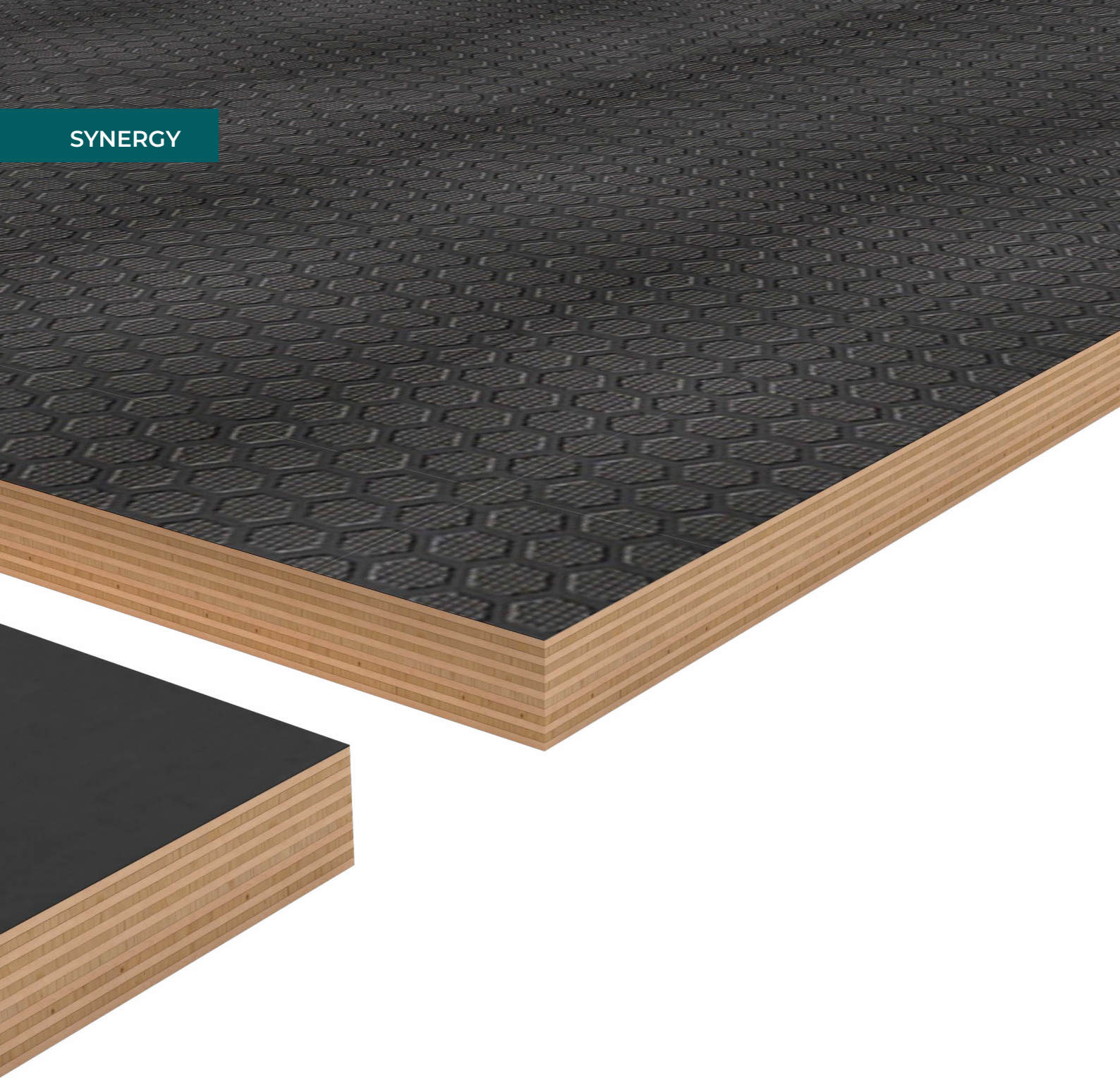
Mobile reusable structures (stages, podiums)



Outdoor playground structures

Plywood brand	Film faced
Grade	B, S, BB and CP
Glue	phenol-formaldehyde
Resin film density	up to 220 g/m ²
Sealing of edges	waterborne acrylic based paint
Thickness, mm	6 – 30
Number of plies	3 – 21
Wear resistance (revs according to Taber test)	350 – 600 (depending on film)

ANTI-SLIP
PLYWOOD



SYNERGY

// PLYWOOD HEXA

Birch plywood, film faced on both sides,
smooth surface on one side and
a coating with a «HEXA» pattern on the other



APPLICATION



Flooring for heavy commercial vehicles



Flooring for warehouse, commercial and other spaces



Mobile reusable structures (stages, podiums)

Plywood brand	Film faced
Grade	B, S, BB and CP
Glue	phenol-formaldehyde
Resin film density	up to 220 g/m ²
Sealing of edges	waterborne acrylic based paint
Thickness, mm	6 – 40
Number of plies	3 – 27
Wear resistance (revs according to Taber test)	350 – 600 (depending on film)

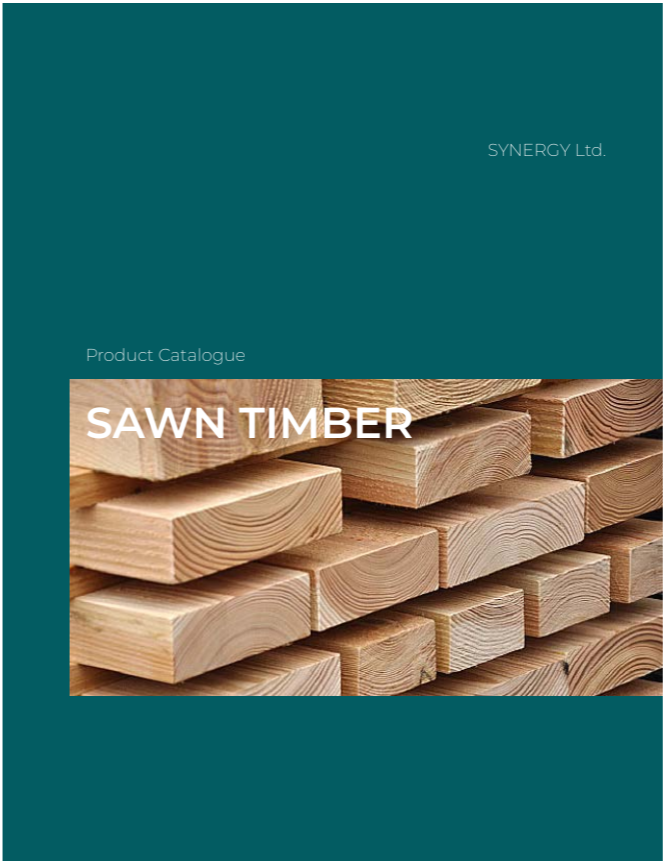
PLYWOOD HEXA

TRANSPORT LOADING RATES

Size, ft	Bundle height, mm	Container (40 ft)		Euro Trailer		Rail car (138 m³)	
		Number of bundles	Volume, m³	Number of bundles	Volume, m³	Number of bundles	Volume, m³
4x8 (1250 x 2500 mm), 8x4 (2500 x 1250 mm) plywood	400	29 – 30	36 – 37	24	30	60 – 74	75 – 92
4x8 (1220 x 2440 mm), 8x4 (2440 x 1220 mm) plywood	400	30 – 31	36 – 37	25	30	60 – 74	71 – 88
4x8 (1250 x 2500 mm), 8x4 (2500 x 1250 mm) film faced plywood	400	28 – 29	35 – 37	23 – 24	29 – 30	60 – 74	75 – 92
4x8 (1220 x 2440 mm), 8x4 (2440 x 1220 mm) film faced plywood	400	29 – 30	35 – 36	24	29	60 – 74	71 – 88

Bundle height and actual loading rates may be different, depending on the terms agreed with the customer

OTHER PRODUCTS
OF SYNERGY



Sawn timber
Production of sawn timber from softwood and hardwood using a timber resource base and equipment that ensures export-quality materials.



SYNERGY

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