

DURASID®
easy lasting sidings

CLADDING





What are Durasid® sidings?

DURASID® is the perfect aesthetic cladding for side faces, gables, bay windows, dormers, garden sheds, pool houses and other constructions. DURASID® offers a wide range of applications for both new-build and renovation projects.

The DURASID® cladding profiles are made of a rigid foam core with a durable, co-extruded top coat. A decorative wood grain structure is applied in the outer layer. Which combines all the best features of all other cladding.

DURASID® has the charm and appeal of natural wood plus the ease of maintenance of plastic, which has allowed it to quickly establish itself as a smart and fully-fledged alternative to other external wall coverings made from commonly used materials.

Being part of a complete system that comprises all the required finishing pieces for a smooth, professional installation, DURASID® wins out on several fronts in term of the ease of installation.

Plastivan also manufactures a complete range of roof edging products under the brand name BELTECTO®. These construction materials are eminently suited for both new-build and renovation projects. They can be combined with all types of cladding finishes, and especially with DURASID®'s exterior cladding.

1

Durable and longer lasting appearance

Rigid foam is a durable and resistant plastic that withstands the rigours of time and weather. This guarantees that the sidings will still look as good as new after many years. In addition, the profiles are coloured right through, so you will never have to paint or oil them.

2

A warm and natural look

A wood grain structure or print with a natural appearance is applied to the co-extruded protective top layer. This gives them a warm, natural look and means that DURASID® sidings can barely be distinguished from real wood.

3

Simple to put in place

DURASID® profiles in rigid foam are considerably lighter than equivalent products in solid wood or fibre cement. Handling and installing them is therefore easier and they make less heavy demands on the cladding panels or the supporting structure. In addition, the tongue-and groove joints make them quick to install.

4

Easy to maintain

The top layer makes sure that the structure is closed. Dirt and green algae deposits can therefore not penetrate the top layer of the material - a problem that does often occur in porous materials such as wood and fibre cement. Superficial dirt can easily be removed using a sponge, brush or high-pressure hose (max. 80 bar), in combination with a mild detergent if necessary.

BENEFITS OF RIGID FOAM

5

Perfectly impact-resistant

You do not need to worry about damage if you use DURASID® sidings. Remember, this is a material that is known for its superb impact resistance. With alternative materials, impacts may result in a permanent dent relatively quickly, or may even crack the profile.

6

Protecting and upgrading the outer wall

DURASID® sidings protect your outer wall and add value to your new home or renovation project. The panels also protect any isolation layers inside, against all kinds of weather, guaranteeing that optimal insulation will be retained in the future.

7

Numerous applications

DURASID® can be used for private homes, chalet building and industrial construction. It is also perfect for cladding entire walls, gables, dormers and roof overhangs. It creates a stylish, uniform design and finish.

8

Wide range of colours and finishings

DURASID® outer wall cladding panels are available in multiple timeless colours and several variants. They can be fitted both horizontally or vertically. A series of handy finishing profiles in plastic and painted aluminium have been developed as well. These guarantee that it will look good and have a solid structure, with perfectly finished corners and joints.

9

Environment

Durasid rigid foam cladding fits perfectly into the context of sustainable construction. Production waste is recycled and used cladding at the end of its life cycle can be completely recycled. The estimated lifetime exceeds that of conventional wood or other alternatives. It is also easy to maintain so that no harmful products are needed such as paints, oils, varnish, lacquer, mold and algae resistant products ...





Technical information

	Performed test	Durasid Original	Durasid Urban	Durasid Natural	Durasid Elegance	Durasid Foresta
Density ISO 1183-1	ISO 1183-1	0,5 – 0,6 g/cm³	0,5 – 0,6 g/cm³	0,4 - 0,5 g/cm³	0,4 - 0,5 g/cm³	0,5 – 0,6 g/cm³
Vicat softening temperature	ISO 306	50 – 60 °C	50 – 60 °C	50 – 60 °C	50 – 60 °C	50 – 60 °C
Ash content at 1000°C	ISO 3451-A	6,0 – 8,0 %	6,0 – 8,0 %	6,0 – 8,0 %	6,0 – 8,0 %	T.B.D.
DHC stabilization time	ISO 182-3	21 – 22 min	21 – 22 min	21 – 22 min	21 – 22 min	T.B.D.
DHC induction time	ISO 182-3	26 – 28 min	26 – 28 min	26 – 28 min	26 – 28 min	T.B.D.
Fire behaviour	NBN EN 13501-1	D s3 d2 (E for cls 95,96,99)	N.P.D.	E	E (N.P.D. for clr 96)	D s3 d2
Impact resistance	EN 477/EN 13245-2	1,5 m	1,5 m	1,5 m	1,5 m	-
Shore-D hardness	DIN 53505	58	58	-	-	T.B.D.
Flexural strength	NBN EN ISO 178	24 – 29MPa	24 – 29MPa	-	24 – 29MPa	T.B.D.
Modulus of elasticity	NBN EN ISO 178	1,2 – 1,5GPa	1,2 – 1,5GPa	-	1,2 – 1,5GPa	T.B.D.
Tensile strength	ISO 527-2	12 – 14 N/mm²	12 – 14 N/mm²	-	12 – 14 N/mm²	T.B.D.
Stretch at breaking point	ISO 527-2	42 – 52 %	42 – 52 %	-	42 – 52 %	T.B.D.
Shrinking	EN 479	≤ 7,6 %	≤ 7,6 %	≤ 6,0 %	≤ 7,6 %	-
Tensile impact strength	NBN EN ISO 8256	17,9 kJ/m² (13,5 kJ/m² for cls 95,96,99)	17,9 kJ/m² (13,5 kJ/m² for cls 95,96)	-	≥ 13,5 kJ/m²	T.B.D.
Linear thermal expansion coefficient	ASTM D696	0,055mm/m/°C (except for 95,96,99)	0,055mm/m/°C (except for 95,96)	-	0,055mm/m/°C	T.B.D.
Frost resistance	NBN EN 539-2 & 1304	frost-resistant	frost-resistant	frost-resistant	frost-resistant	frost-resistant
Water absorption	Moisture movement	none	none	none	none	none
Water absorption	ISO 2179	0,28 mg/cm²	0,28 mg/cm²	-	-	T.B.D.
Wind resistance	EN 12211	C2	C2	C2	-	T.B.D.
Thermal transfer coefficient	EN 12667	0,07 W/mK	0,07 W/mK	0,07 W/mK	0,07 W/mK	T.B.D.
Impact resistance, service test	EOTA TR 001	100–400 Nm & 6 Nm	100–400 Nm & 6 Nm	-	-	T.B.D.
Impact resistance, safety	EOTA TR 001	700 Nm & 10 Nm	700 Nm & 10 Nm	-	-	T.B.D.

Maintenance



Durasid® sidings are low-maintenance. Sanding, painting or oiling are no longer needed. The closed surface structure means that the panels do not absorb moisture, virtually eliminating algal growth and moss formation. Superficial dirt from dust, exhaust gases, air pollution, etc. can be cleaned using a sponge,

soft brush or high-pressure hose (max. 80 bar and with the nozzle at least 50cm away). The water must be clean or mixed with a mild household detergent. Aggressive substances or solvents must never be used. Grease and oil stains can be removed using a household degreasing agent.

Guarantee



The official guarantee that the supplier of raw materials has given to Plastivan NV means that there is a 10-year guarantee with regard to UV-resistance for the following colours from the Durasid® product range: White (RAL 9010) - Cream (RAL 9001) - Sand (RAL 1015) - Grey (RAL 7035) - Woodland oak - Red cedar - African padauk - Siberian larch - Barnwood grey - Sheffield oak.

A 5-year warranty applies for the colours Camel, Anthracite Grey (RAL 7016), Quartz grey (RAL 7039), Blue grey (RAL 7031), Silver, Cedar, Graphite, Olive and Walnut. This warranty states that the extruded panels will not discolour excessively as a result of ultraviolet light. For more information and terms and conditions, go to **www.durasid.com**

Please always check that the use of the Durasid® cladding conforms to the prescribed standards and the applicable building and fire regulations.



Durasid® Original: The outer wall cladding panels are made of a core of durable rigid foam PVC plus an extremely resistant co-extruded top layer with a wood grain structure. Three types of profiles are available, all in lengths of 5 m.

- **Siding 167 mm:** an overlapping model with a natural look
- **Vertical siding167 mm:** this siding can be installed either horizontally or vertically
- **Double siding 333 mm:** a double model for an even faster installation

Single siding 167 mm - WOOD GRAIN STRUCTURE

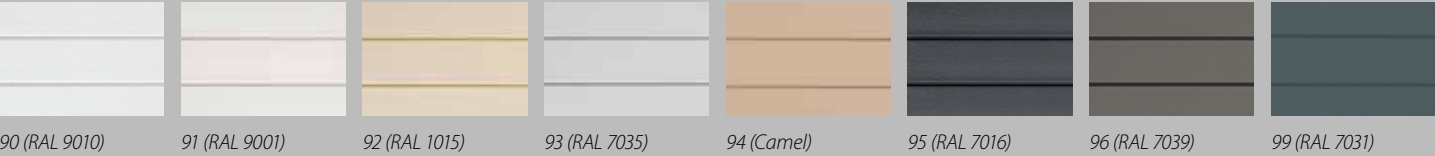


	Item no.	Colours	Length
Single siding 167 mm	523167	90 - RAL 9010 (White) 91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 94 - Camel 95 - RAL 7016 (Anthracite) 96 - RAL 7039 (Quartz grey) 99 - RAL 7031 (Blue grey)	5 m



	Item no.	Colours	Length
Two-part edge trim	524150	90, 91, 92, 93, 94, 95	3 m
Two-part lacquered aluminium edge trim	524160	91, 92, 93, 94, 95, 96, 99	3 m
Starter trim	524200	Black	3 m
Ventilation profile	524250	Black	2,5 m
Joining profile	524300	90, 91, 92, 93, 94, 95	3 m
Standard joiner piece (single)	524360	90, 91, 92, 93, 94, 95, 96, 99	
Invisible joiner piece (single)	524361	90, 91, 92, 93, 94, 95, 96, 99	
Two-part internal-external corner	524450	90, 91, 92, 93, 94, 95	3 m
Two-part lacquered aluminium internal-external corner	524460	91, 92, 93, 94, 95, 96, 99	3 m
Corner profile	524500	90, 91, 92, 93, 94, 95	3 m
Lacquered aluminium corner profile	524560	91, 92, 93, 94, 95, 96, 99	3 m

COLOURS





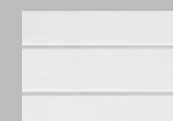
Vertical siding 167 mm - WOOD GRAIN STRUCTURE



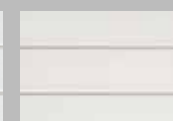
	Item no.	Colours	Length	
Vertical siding 167 mm	524167	90 - RAL 9010 (White) 91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 94 - Camel 95 - RAL 7016 (Anthracite) 96 - RAL 7039 (Quartz grey) 99 - RAL 7031 (Blue grey)	5 m	

	item no.	Colours	Length	
Two-part edge trim	524150	90, 91, 92, 93, 94, 95	3 m	
Two-part lacquered aluminium edge trim	524160	91, 92, 93, 94, 95, 96, 99	3 m	
Starter trim	524200	Black	3 m	
Ventilation profile	524250	Black	2,5 m	
Joining profile	524300	90, 91, 92, 93, 94, 95	3 m	
Invisible joiner piece (vertical siding)	524362	90, 91, 92, 93, 94, 95, 96, 99		
Two-part internal-external corner	524450	90, 91, 92, 93, 94, 95	3 m	
Two-part lacquered aluminium internal-external corner	524460	91, 92, 93, 94, 95, 96, 99	3 m	
Corner profile	524500	90, 91, 92, 93, 94, 95	3 m	
Lacquered aluminium corner profile	524560	91, 92, 93, 94, 95, 96, 99	3 m	

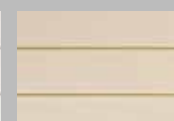
COLOURS



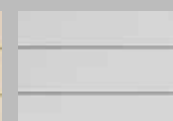
90 (RAL 9010)



91 (RAL 9001)



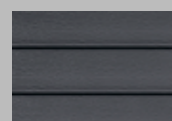
92 (RAL 1015)



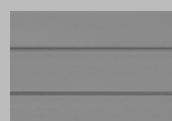
93 (RAL 7035)



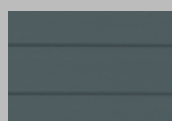
94 (Camel)



95 (RAL 7016)



96 (RAL 7039)



99 (RAL 7031)

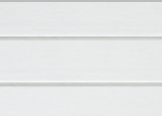


Double siding 333 mm - WOOD GRAIN STRUCTURE



	Item no.	Colours	Length	
Double siding 333mm	523333	90 - RAL 9010 (White) 91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 94 - Camel 95 - RAL 7016 (Anthracite) 96 - RAL 7039 (Quartz grey) 99 - RAL 7031 (Blue grey)	5 m	
	Item no.	Colours	Length	
Two-part edge trim	524150	90, 91, 92, 93, 94, 95	3 m	
Two-part lacquered aluminium edge trim	524160	91, 92, 93, 94, 95, 96, 99	3 m	
Starter trim	524200	Black	3 m	
Ventilation profile	524250	Black	2,5 m	
Joining profile	524300	90, 91, 92, 93, 94, 95	3 m	
Standard joiner piece (double)	524350	90, 91, 92, 93, 94, 95, 96, 99		
Invisible joiner piece (double)	524351	90, 91, 92, 93, 94, 95, 96, 99		
Two part internal-external corner	524450	90, 91, 92, 93, 94, 95	3 m	
Two-part lacquered aluminium internal-external corner	524460	91, 92, 93, 94, 95, 96, 99	3 m	
Corner profile	524500	90, 91, 92, 93, 94, 95	3 m	
Lacquered aluminium corner profile	524560	91, 92, 93, 94, 95, 96, 99	3 m	

COLOURS



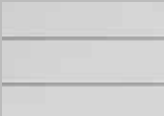
90 (RAL 9010)



91 (RAL 9001)



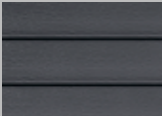
92 (RAL 1015)



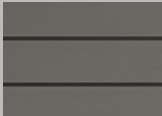
93 (RAL 7035)



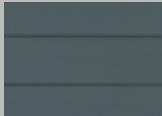
94 (Camel)



95 (RAL 7016)



96 (RAL 7039)



99 (RAL 7031)

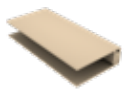


Durasid® Easyfix: Wall panels with a large embossing combined with invisible connectors. This guarantees an easy and fast mounting.

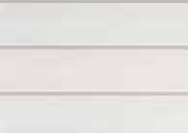
- **Single siding 167 mm incl. invisible connectors:** an overlapping model with a natural look

KIT SIDINGS 167 mm - WOOD GRAIN STRUCTURE
incl. invisible connectors



	Item no.	Colours	Length	
Single siding 167 mm	523167KIT-2.5	91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 94 - Camel 95 - RAL 7016 (Anthracite)	2,5 m	
	Item no.	Colours	Length	
Two-part edge trim	524150	91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 94 - Camel 95 - RAL 7016 (Anthracite)	2,5 m	
Starter trim	524200	Black	2,5 m	
Ventilation profile	524250	Black	2,5 m	
Two-part internal-external corner	524450	91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 94 - Camel 95 - RAL 7016 (Anthracite)	2,5 m	

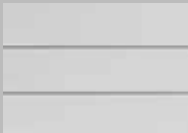
COLOURS



91 (RAL 9001)



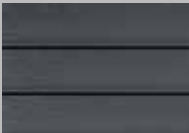
92 (RAL 1015)



93 (RAL 7035)



94 (Camel)



95 (RAL 7016)



The Urban sidings, with a light structured top layer, create a clean but warm appearance. This collection fits perfectly in contemporary architecture.

- **Rebate 167 mm:** This model can be placed both horizontally and vertically.

Rebate 167 mm - LIGHT STRUCTURE



	Item no.	Colours	Length	
Rebate 167 mm	524167U	91 - RAL 9001 (Cream) 92 - RAL 1015 (Sand) 93 - RAL 7035 (Grey) 95 - RAL 7016 (Anthracite) 96 - RAL 7039 (Quartz grey)	5 m	
	Item no.	Colours	Length	
Two-part edge trim	524150	91, 92, 93, 95	3 m	
Two-part lacquered aluminium edge trim	524160	91, 92, 93, 95, 96	3 m	
Starter trim	524200	Black	3 m	
Ventilation profile	524250	Black	2,5 m	
Invisible joiner piece (vertical siding)	524362	91, 92, 93, 95, 96		
Two-part internal-external corner	524450	91, 92, 93, 95	3 m	
Two-part lacquered aluminium internal-external corner	524460	91, 92, 93, 95, 96	3 m	
Corner profile	524500	91, 92, 93, 95	3 m	
Lacquered aluminium corner profile	524560	91, 92, 93, 95, 96	3 m	

COLOURS



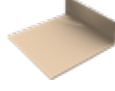


Durasid® Natural: The result of using a specific technology on the embossed surface of the cellular boards gives a cladding system with a very true-to-nature effect.

- **Siding 167 mm:** This overlapping model guarantees a natural look to your facade

Single siding 167 mm - NARROW EMBOSSING



	Item no.	Colours	Length	
Single siding 167 mm	523167	Silver (SV) Cedar (CD) Graphite (GP) Olive (OV) Walnut (WL)	5 m	
	Item no.	Colours	Length	
Two-part lacquered aluminium edge trim	524160	93 - RAL 7035 (SV) 94 - Camel (CD) 96 - RAL 7039 (GP) 97 - RAL 7023 (OV) 98 - RAL 7013 (WL)	3 m	
Starter trim	524200	Black	3 m	
Ventilation profile	524250	Black	2,5 m	
Invisible joiner piece (single)	524361	93 - RAL 7035 (SV) 94 - Camel (CD) 96 - RAL 7039 (GP) 97 - RAL 7023 (OV) 98 - RAL 7013 (WL)		
Two-part lacquered aluminium internal-external corner	524460	93 - RAL 7035 (SV) 94 - Camel (CD) 96 - RAL 7039 (GP) 97 - RAL 7023 (OV) 98 - RAL 7013 (WL)	3 m	
Lacquered aluminium corner profile	524560	93 - RAL 7035 (SV) 94 - Camel (CD) 96 - RAL 7039 (GP) 97 - RAL 7023 (OV) 98 - RAL 7013 (WL)	3 m	

COLOURS



Silver (SV)



Cedar (CD)



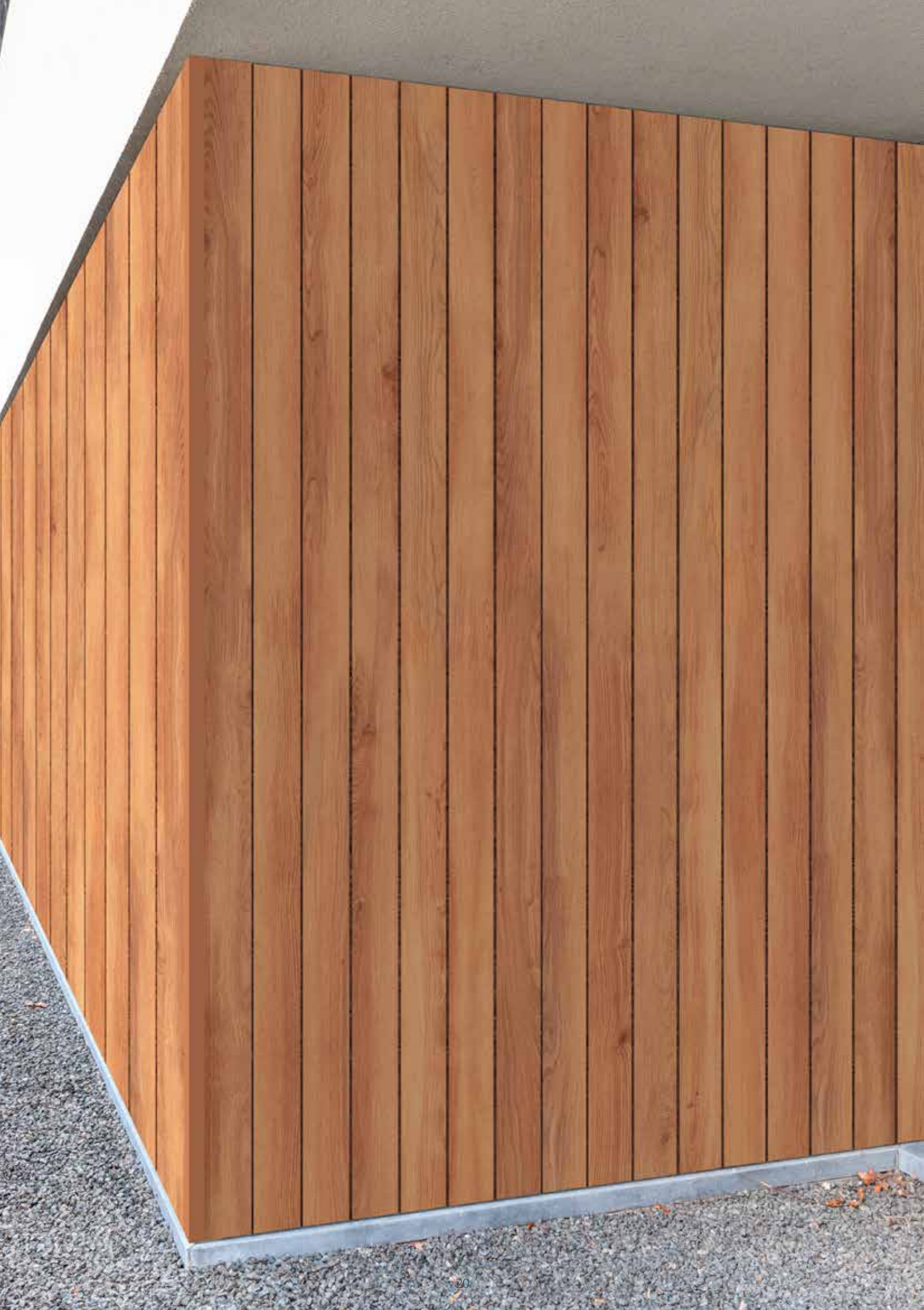
Graphite (GP)



Olive (OV)



Walnut (WL)



Siding with V-groove 250 mm - DIGITALLY PRINTED



	Item no.	Colours	Length	
Siding with V-groove 250 mm	527250	001 Woodland oak 002 Red cedar 003 African padauk 004 Siberian larch 005 Barnwood grey 006 Sheffield oak 007 Grey cedar 008 Woodland grey	5 m	
	Item no.	Colours	Length	
Two-part lacquered aluminium edge trim	524160	100 - RAL 8008 (001) 101 - RAL 8003 (002 & 004) 102 - RAL 7006 (003 & 007 & 008) 103 - RAL 1019 (005) 92 - RAL 1015 (006)	3 m	
Starter trim	524200	Black	3 m	
Ventilation profile	524250	Black	2,5 m	
Invisible joiner piece	524391	96 Quartz grey		
Two-part lacquered aluminium internal-external corner	524460	100 - RAL 8008 (001) 101 - RAL 8003 (002 & 004) 102 - RAL 7006 (003 & 007 & 008) 103 - RAL 1019 (005) 92 - RAL 1015 (006)	3 m	
Lacquered aluminium corner profile	524560	100 - RAL 8008 (001) 101 - RAL 8003 (002 & 004) 102 - RAL 7006 (003 & 007 & 008) 103 - RAL 1019 (005) 92 - RAL 1015 (006)	3 m	

COLOURS



001 (Woodland oak)



002 (Red cedar)



003 (African padauk)



004 (Siberian larch)



005 (Barnwood grey)



006 (Sheffield oak)



007 (Grey cedar)



008 (Woodland grey)

Durasid® Foresta: Digitally printed cladding with a wood look. But with the ease of maintenance and durability of pvc.

- **Siding with V-groove 250 mm:** This model can be placed both horizontally and vertically.





Soffits

After the front has been clad with durable DURASID® sidings, it is time for the soffit. Here you can use the BELTECTO® range of products which consists of various types of hollow cladding profiles available in most DURASID® colours. For the soffits, you can also use the DURASID® vertical sidings.

Fascias

The fascia is finished with the BELTECTO® construction profiles made from rigid foam. In spite of the fact that rigid foam is a solid board, its low weight and excellent machining properties make it just as easily manageable as wood. These extremely durable vertical sidings, come in widths of up to 454mm in various types and in most DURASID® colours.

The BELTECTO® will withstand all kinds of weather conditions and are UV resistant. Which makes painting a thing of the past! The BELTECTO® construction materials act to protect your soffits, provide a stylish appearance and make for years of trouble-free use thanks to their low-maintenance finish.





COLOURS

03 White



09 Brown



10 Black



CR Beige



S Sand



93 Grey



94 Camel



95 Anthracite



GO Golden oak



BA Black ash



BENEFITS

1

UV- and weather resistant

2

Painting is unnecessary

3

Protecting soffits

4

Stylish appearance

5

Maintenance friendly





DURASID®
easy lasting sidings

www.durasid.com
produced by PLASTIVAN