

TEMPSI

CATALOGUE





CONTENT

3	About Us
4	Tempsi Colore
5	Tempsi Colore HB
6	Tempsi Granito
7	Tempsi Granito HB
8	Tempsi Zoccolo Granito
9	Silbonit Hydro
10	Silbonit Hydro Groove
11	Silbonit Hydro Rigo
12	Silbonit Pigmenta Spectra
13	ASD Laminat Exterior
14	Cetris Basic Tempsi Base Hekim Board
15	Aquafire
16	Tempsi screws
17	Tempsi connection profiles
20	Joint tape
21	Ventilated facade
22	Ventilated facade frame systems
24	References

Tempsi is a brand of modern finishing and construction panels from Estonia. Tempsi products can be used for both exterior and interior work, and the panels are particularly well suited for finishing ventilated facade systems. Tempsi has provided construction solutions for many architectural and construction projects in the Baltic States and the Nordic region. Over the years, we have built up a network of reliable partners and gained recognition in the construction sector.

Tempsi is part of the Wolf Group

Wolf Group is a leading European manufacturer of construction chemical products and systems. Wolf Group's main product brands are Penosil and Tempsi.

Wolf Group's certified production units are located in Estonia, Spain and France. The group's own sales companies operate in the European Union, the United Kingdom, North and South America, and Central Asia.

Wolf Group is a global expert in polyurethane foams, sealants, adhesives and surface coatings, with all products developed by our own development team. Our solutions and products are recognised in more than 70 countries, providing an excellent customer experience for industry, professionals, home users and private label customers (contract manufacturing).



Tempsi Colore is a decorative and environmentally friendly finishing cement bonded particleboard, which is first primed and then covered with a special weather-resistant layer of paint.

Application areas:

Finishing and renovation of facades (including ventilated facades) and plinths (also for insulation work) in private houses, apartment buildings, public buildings, etc. They are also used for finishing balconies, sound insulation and wind barriers.

Thanks to their mechanical strength and wide range of colors, the boards are suitable for use as decorative interior elements for finishing walls. The boards are also suitable for use in areas that require additional fire safety requirements and where resistance to environmental influences is important.

Properties:

- Easy to install
- Easy to maintain
- Resistant to mold
- Fire safety class (B-s1 d0)
- Resistant to various environmental influences (UV radiation, cold, precipitation)

Colors:

Available in any shade from the RAL/NCS catalogue.



RAL 1003
Yellow



RAL 2011
Dark orange



RAL 5026
Blue



RAL 6035
Green



RAL 7031
Grey

Please note that the actual color may differ from what is shown in the pictures!

Dimensions:

Standard sizes: 1250 mm x 3350 mm.

Standard thicknesses: 8 mm, 10 mm, 12 mm.

Other thicknesses (up to 40 mm) are available on request.

NB! If necessary, the panels can be cut to size at the factory according to specifications.

Tempsi Colore HB is a decorative and environmentally friendly fiber cement finishing and construction board made entirely from natural materials. The panel is primed and coated with a weather-resistant layer of paint.

Application areas:

Finishing and renovation of facades (including ventilated facades) and plinths (also for insulation work) in private houses, apartment buildings, public buildings, etc. They are also used for finishing balconies, sound insulation and windbreaks.

Thanks to their mechanical strength and wide range of colors, the tiles are suitable for use as decorative elements in interior design for finishing walls. The tiles are also suitable for use in areas that require additional fire safety requirements and where resistance to environmental influences is important.

Properties:

- Environmentally and human-safe material
- Easy to work with
- Easy to install
- Moisture resistant
- Very good sound insulation

Colors:

Available in any shade from the RAL/NCS catalogue.



RAL 1003
Yellow



RAL 2011
Dark orange



RAL 5026
Blue



RAL 6035
Green



RAL 7031
Grey

Please note that the actual color may differ from what is shown in the pictures!

Dimensions:

Standard sizes: 1200 mm x 3000 mm.

Standard thicknesses: 8 mm, 10 mm, 12 mm.

Other thicknesses (up to 20 mm) are available on request.

NB! If necessary, the panels can be cut to size at the factory according to specifications.

Tempsi Granito is a decorative, environmentally friendly finishing cement bonded particleboard covered with a special UV-resistant epoxy adhesive and natural stone chips. Suitable for outdoor use. The edges of the board are covered with stone chip-colored epoxy adhesive.

Application areas:

Finishing and renovation of facades (including ventilated facades) in private houses, apartment buildings, public buildings, etc. Finishing of balconies, sound insulation.

Properties:

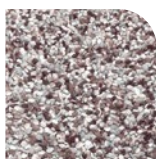
- Environmentally and human-safe material
- Easy to work with
- Easy to install
- Moisture resistant
- Excellent sound insulation

Colors:

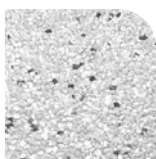
Available in 13 different shades.



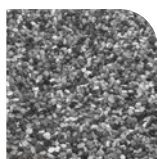
10R Brown



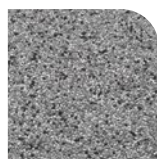
13R Hazelnut



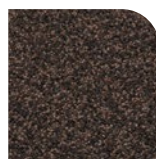
21R White



30R Dark
grey



33R Grey



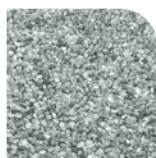
34R Red



35R Black



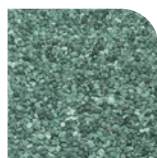
83R Bright
pink



84R Green



85R Yellow



87R Green
alpine



88R Rosso



94R Beige

NB! Please note that the color may differ from that shown in the pictures. There may be slight variations in color between different batches.

Dimensions:

Standard sizes: 1250 mm x 2600/3350 mm.

Standard thicknesses: 8 mm, 10 mm, 12 mm, plus stone fraction 1-3 mm.

Other thicknesses (up to 40 mm) are available to order.

NB! If necessary, the slabs can be cut to the required size at the factory according to the specifications.

Tempsi Granito HB is a decorative and environmentally friendly fiber cement finishing panel covered with a special UV-resistant epoxy adhesive and natural stone chips. Suitable for outdoor use. The edges of the board are covered with stone chip-colored epoxy adhesive.

Application areas:

Finishing and renovation of facades (including ventilated facades) and plinths in private houses, apartment buildings, public buildings, etc. Finishing of balconies, sound insulation.

Properties:

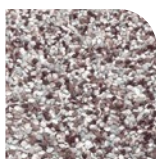
- ▲ Easy to install
- ▲ Easy to maintain
- ▲ Mold resistant
- ▲ Fire resistance - B-s1 d0
- ▲ Resistant to various weather conditions (UV radiation, cold, moisture)

Colors:

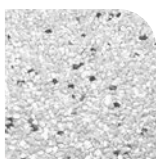
Available in 13 different shades.



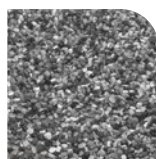
10R Brown



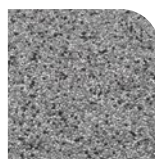
13R Hazelnut



21R White



30R Dark
grey



33R Grey



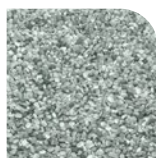
34R Red



35R Black



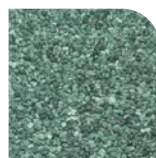
83R Bright
pink



84R Green



85R Yellow



87R Green
alpine



88R Rosso



94R Beige

NB! Please note that the color may differ from that shown in the pictures. There may be slight variations in color between different batches.

Dimensions:

Standard sizes: 1200 mm x 3000 mm.

Standard thicknesses: 8 mm, 10 mm, plus stone fraction 1-3 mm.

Other thicknesses (up to 20 mm) are available to order.

NB! If necessary, the slabs can be cut to size at the factory according to specifications.



Tempsi Zoccolo Granito is a decorative, environmentally friendly finishing board covered with a special UV-resistant epoxy adhesive suitable for outdoor use and natural stone chips. The edges of the cement tile are covered with stone chip-colored epoxy adhesive.

Application areas:

Finishing and renovation of plinths in private houses, apartment buildings, public buildings, etc.

Properties:

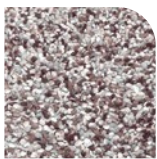
- Environmentally and human-safe material
- Easy to work with
- Easy to install
- Moisture resistant
- Excellent sound insulation

Colors:

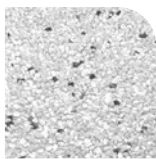
Available in 13 different shades.



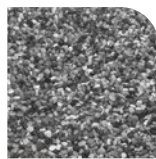
10R Brown



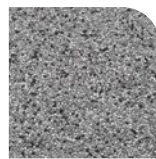
13R Hazelnut



21R White



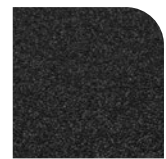
30R Dark
grey



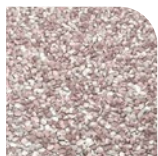
33R Grey



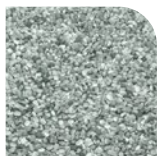
34R Red



35R Black



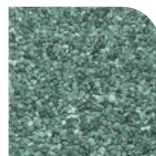
83R Bright
pink



84R Green



85R Yellow



87R Green
alpine



88R Rosso



94R Beige

NB! Please note that the color may differ from that shown in the pictures. There may be slight variations in color between different batches.

Dimensions:

Standard sizes: 1250 mm x 600/745 mm.

Standard thickness: 8 mm.

NB! If necessary, the panels can be cut to size at the factory according to specifications.

SILBONIT is an asbestos-free, double-pressed and autoclave-cured fiber cement sheet. The sheet is reinforced with mineralized cellulose fibers and is mass-colored, with a smooth surface and straight edges. SILBONIT sheets are CE marked in accordance with the EN 12467 standard. The excellent mechanical properties of the slab make it one of the best finishing materials for reliable and elegant high-quality solutions. Solid-colored slabs are available with Hydro or HydroPlus coating.

Application areas:

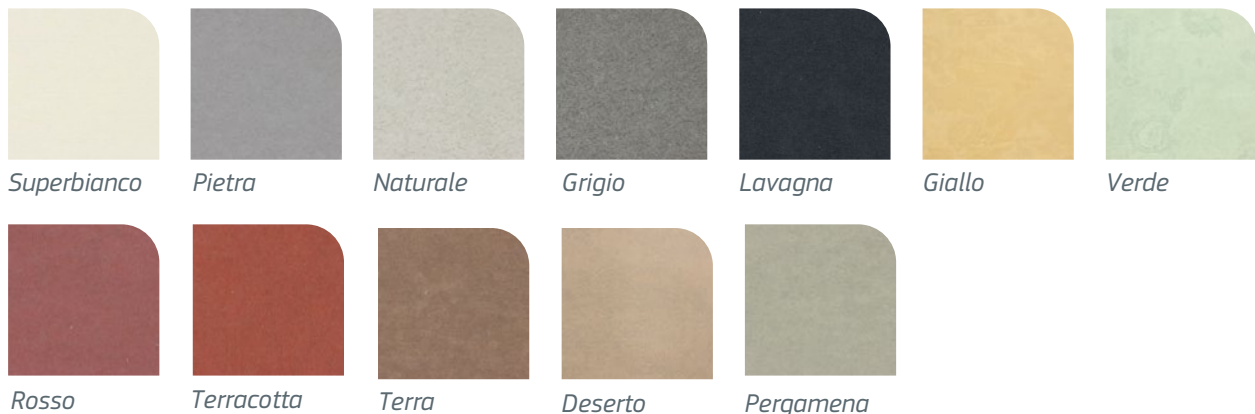
SILBONIT panels are designed for exterior finishing. SILBONIT products are used for the construction of ventilated facades; the panels are modern, durable and lightweight. They can also be used for interior design solutions.

Properties:

- Easy to prepare
- Easy to install
- Excellent mechanical resistance
- Resistance to mold, fungi and pests
- Non-combustible material: CAN/ULC S114 test, class A2 s1 d0.

Colors:

12 different mass-colored shades and a smooth surface texture give SILBONIT Hydro and HydroPlus finishing panels an exceptionally natural look.



Please note that the actual color may differ from what is shown in the pictures!

Natural coloring and some minor variations are characteristic Properties and effects of this product. It is important to note that there may be color variations between different batches and that each panel is unique.

Due to the production process, there may be greater color variations on the back of the panel. The panel may not be suitable for use where both sides are visible.

Please note that the color may differ from that shown in the pictures. There are color variations between different batches.

Dimensions:

Standard sizes: 1200 mm x 2500 mm, 1200 mm x 3050 mm, 1200 mm x 3000 mm.

Thickness: 6 mm, 8 mm, 10 mm, 12 mm.

NB! *If necessary, the panels can be cut to size at the factory according to specifications.*



Deep grooves along the entire length of Silbonit Groove panels give them a wood-like surface and thus a natural, pleasant and modern appearance.

Application areas:

Exterior finishing, including the construction of ventilated facades. Also suitable for interior design solutions.

Properties:

- Excellent mechanical resistance
- The grooves in the panels run only lengthwise.
- Easy preparation and installation
- Resistance to mold, fungi and pests
- Natural color is a characteristic feature and effect of this product.

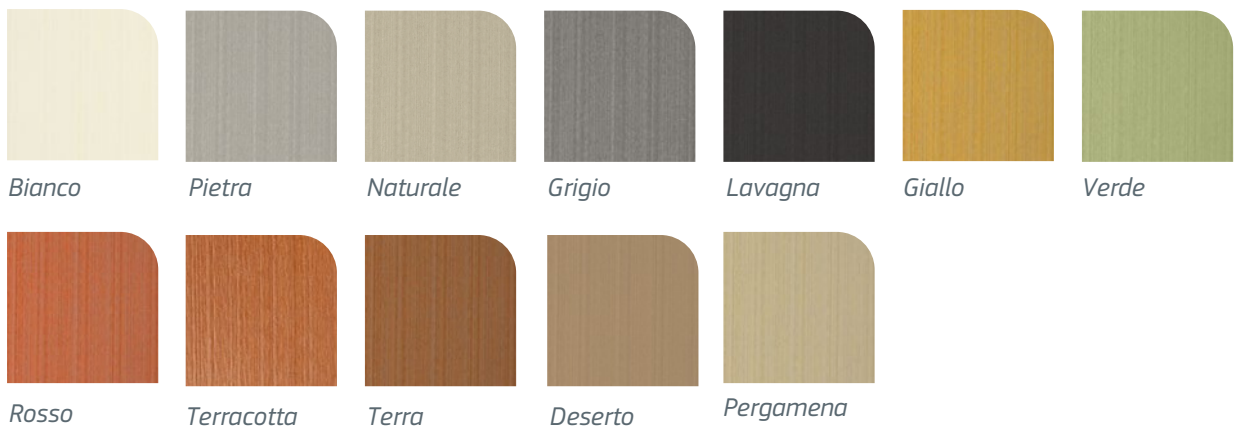
Colors:

Available in 12 mass-colored shades with Hydro or HydroPlus coating.

Natural coloring and some minor differences are characteristic Properties and effects of this product. It is important to note that there may be color differences between different batches and that each tile is unique.

Due to the production process, there may be greater color variations on the back of the tile. The tile may not be suitable for use where both sides are visible.

Please note that the color may differ from that shown in the pictures. There are color variations between different batches.



Please note that the actual color may differ from what is shown in the pictures!

Dimensions:

Standard sizes: 1200 mm x 2500 mm, 1200 mm x 3050 mm, 1200 mm x 3000 mm.

Thickness: 6 mm, 8 mm, 10 mm, 12 mm.

NB! If necessary, the panels can be cut to size at the factory according to specifications.

Silbonit Rigo panels have lines milled parallel to the surface, creating a unique light effect.

Application areas:

Exterior finishing, including the construction of ventilated facades. Also suitable for interior design solutions.

Properties:

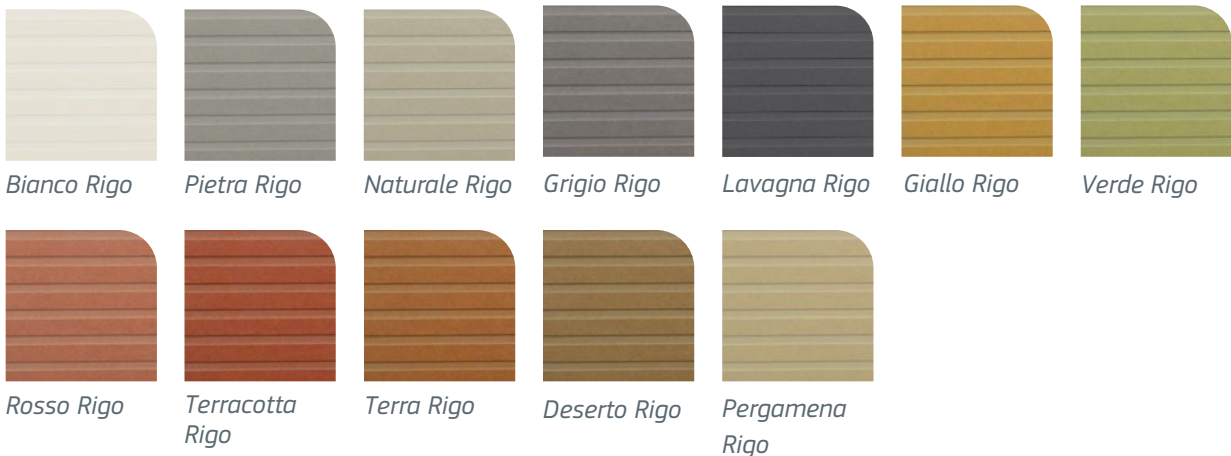
- Excellent mechanical resistance
- Easy preparation and installation
- Resistance to mold, fungi and pests
- Natural color is a characteristic feature and effect of this product.

Colors:

Available in 12 mass-colored shades with Hydro or HydroPlus coating.

The natural color and some minor variations are characteristic Properties and effects of this product. It is important to note that there may be color variations between different batches and that each tile is unique.

Due to the production process, there may be greater color variations on the back of the tile. The tile may not be suitable for use where both sides are visible.



Please note that the actual color may differ from what is shown in the pictures!

Dimensions:

Standard sizes: 1200 mm x 2500 mm, 1200 mm x 3050 mm, 1200 mm x 3000 mm.
Thickness: 10 mm, 12 mm.

NB! If necessary, the panels can be cut to size at the factory according to specifications.

Silbonit Pigmenta is a mass-colored or natural Silbonit fibre cement board, primed and coated with a special weather-resistant paint and a UV varnish layer, which provides additional protection against graffiti and increases resistance to fading.

Application areas:

Exterior finishing, including the construction of ventilated facades. Also suitable for interior design solutions.

Properties:

- Excellent mechanical resistance
- Easy preparation and installation
- Resistance to mold, fungi and pests
- Resistance to weather conditions, UV radiation and graphite

Colors:

Any color from the NCS catalogue can be ordered (minimum order 300 m² per color at no extra charge).



Rosso Acceso

Blu Intenso

Verde

Giallo

RAL 2011

RAL 6018

RAL 7016

Please note that the actual color may differ from what is shown in the pictures!

Silbonit Spectra is a mass-colored or natural Silbonit fibre cement board, primed and coated with a special weather-resistant paint.

Application areas:

Exterior finishing, including the construction of ventilated facades. Also suitable for interior design solutions.

Properties:

- Excellent mechanical resistance
- Easy preparation and installation
- Resistance to mold, fungi and pests

Colors:

Any color from the NCS catalogue can be ordered (minimum order 300 m² per color at no extra charge).



Rosso Acceso

Blu Intenso

Verde

Giallo

RAL 2011

RAL 6018

RAL 7016

Please note that the actual color may differ from what is shown in the pictures! There may be slight differences in color between different batches.

Dimensions:

Standard sizes: 1200 mm x 2500 mm, 1200 mm x 3050 mm, 1200 mm x 3000 mm.

Thickness: 6 mm, 8 mm, 10 mm, 12 mm.

ASD Laminat Exterior is a particularly durable composite material manufactured at high temperatures and under high pressure. The core of the material consists of wood layers based on unprocessed fiber kraft paper impregnated with phenolic resins. Its decorative surfaces are made from cellulose paper wood layers impregnated with thermosetting resins, reinforced with a UV-resistant film.

Application areas:

ASD Exterior panels are designed for all outdoor applications. ASD Exterior is ideal for renovating old buildings, adding an additional layer of insulation. In addition to being used as facade cladding, they are also suitable for other outdoor applications, such as balconies, outdoor furniture, sunshades, canopies, parapets, eaves, decorative fences, window shutters, etc.

Properties:

- Long service life and excellent impact resistance
- Optimal fire resistance
- Resistance to mold and rot
- Easy to process and install
- Resistance to weather conditions, water, heat, cold and UV radiation

Colors:

ASD Exterior is available in more than 90 standard designs and colors. This catalogue shows only a selection of the designs available. Please contact us for further information.

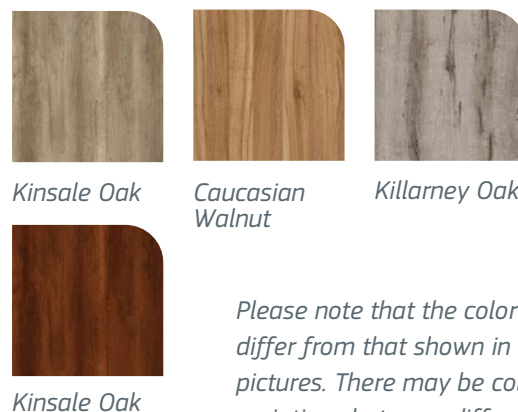
Standard monoliths



Stone imitation:



Wood imitation:



Please note that the color may differ from that shown in the pictures. There may be color variations between different batches.

Dimensions:

Standard sizes: 1300 mm x 3050 mm, 1000 mm x 2150 mm, 1220 mm x 2440 mm.
Thickness: 6 mm, 8 mm.



CETRIS BASE / Tempsi Base is a cement-bonded particleboard with a smooth and natural cement grey surface. The board is manufactured by compressing a mixture of wood chips (63%), Portland cement (25%), water (10%) and hydration additives (2%).

The boards combine the best properties of cement and wood. The boards are fire-resistant and provide sound insulation.

Application areas:

CETRIS / Tempsi boards are a building material with excellent properties, used mainly in ventilated façade systems and a structural material in floor systems, walls, ceilings and plinths, roofs, attic upper parts and lift shafts. Boards are also suitable for balconies, as well as in applications where moisture resistance, mechanical strength, fire resistance and high hygiene requirements are necessary.

Properties:

- Easy to work with
- Moisture resistance
- Safe for people and the environment
- Fire resistance – A2-s1 d0 (non-combustible)
- Resistant to cold, mold and insects



Color: grey

Dimensions:

Cetris Basic full size: 1250 mm x 3350 mm.

Tempsi Base standard dimensions: 1250 mm x 2600 mm, 1250 mm x 745 mm, 1250 mm x 600 mm.

Standard thicknesses: 8 mm, 10 mm, 12 mm, 16 mm.

Other thicknesses (up to 40 mm) and sizes are available to order.

Tempsi Base boards can be ordered with rounded or milled edges (at a 45-degree angle), sanded from 12 mm thickness with partial grooving or from 16 mm with full perimeter grooving. CNC milling is available on request.

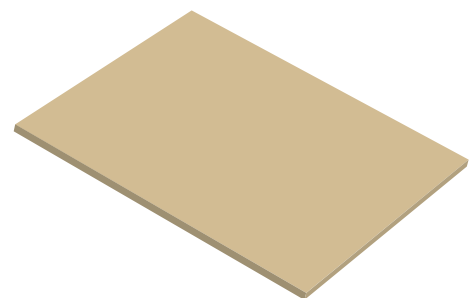
HEKIMBOARD / Tempsi HB panels are environmentally friendly fiber cement panels made entirely from natural materials.

Application areas:

The material has a wide range of uses. It is used in modular construction as well as a covering material for interior walls, exterior walls, ceilings and floor coverings. It is also used as a covering material for interior walls, partition wall elements and suspended ceiling panels.

Properties:

- Easy to maintain and long service life
- Excellent sound and heat insulation
- Fire resistance – A1 (according to NE 13501-1)
- Easy to work with, impact resistance
- Water resistance, resistance to UV radiation and weathering



Color: yellow

Dimensions:

Standard sizes: 1200 mm x 3000 mm, 1250 mm x 1500 mm, 1250 mm x 3000 mm.

Thickness: 8 mm, 10 mm, 12 mm.

Other sizes are available on request.

Aquafire cement composite panels are lightweight, fireproof and have excellent thermal insulation properties. The panels do not deform or crumble and are an excellent base material for ceramic tiles, glass mosaics, brick cladding or other types of cladding materials. Used in ventilated facade systems without joints.

Application areas:

Aquafire panels are also highly resistant to chemical and biological influences, making them suitable for use both indoors and outdoors, including in ventilated facades of buildings, external non-load-bearing structures, curved surfaces, floors, roofs and canopies, balconies and terraces, attics, wine cellars and technical rooms.

Ideal for rooms with high humidity levels – shower rooms, bathrooms, swimming pools, spas, saunas, dry cleaners and kitchens. As a covering material in areas subject to high temperatures, such as chimneys and boiler rooms.

The tiles have a bending radius of 2 m, making them ideal for use in curved buildings and interior surfaces.

Aquafire tiles can be plastered.

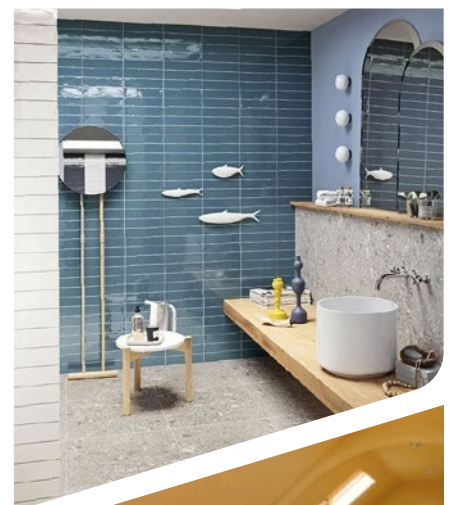
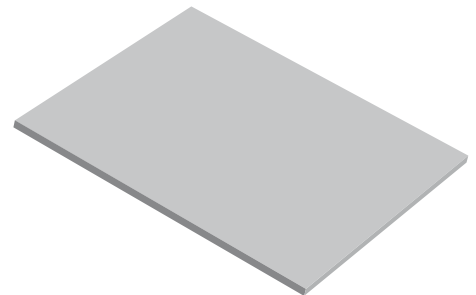
Properties:

- Very easy to cut
- High insulation value
- For indoor and outdoor use
- Does not disintegrate, deform, crack or crumble
- High resistance to water, chemical and biological influences

Dimensions:

Standard size: 1200 mm x 2000 mm.

Thickness: 12.5 mm.



Screw for wooden frames, large head

Tempsi SWC screw for fastening construction and facade panels to wood.

Stainless steel.

Corrosion level C3

Screw dimensions: 4,5 mm x 40 mm.



Screw for metal frames, large head

Tempsi SMC screw for fastening construction and facade panels to metal.

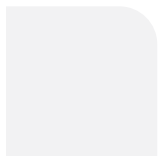
Stainless steel.

Corrosion level C3

Screw dimensions: 4,2 mm x 30 mm.



Colors:



RR20 White



RR21 Light grey



RR23 Dark grey



RR24 Yellow



RR30 Beige



RR32 Dark brown



RR36 Green



RR11 Oak Green



RR750 Red

Please note that the actual color may differ from what is shown in the pictures!

Aquafire® STAR screw

AQUAFIRE® STAR screws are ideal for fastening Aquafire panels to steel structures with a thickness of 0.6 mm to 1 mm.

Screw dimensions: 4 mm x 41 mm.



Joint strip for vertical joints

The joint strip finishes the vertical joints between the facade panels and prevents direct UV radiation and rainwater from accessing the frame.

Application areas:

- A suitable molding must be used at the intersection of facade panels to fill the joint between the panels.
- A joint between two facade panels is necessary to ensure expansion space for the facade panel due to moisture.
- Using a strip to fill the joint between facade panels prevents direct rainwater and UV radiation from reaching the facade structure, ensuring a long service life for the facade.
- The strip compensates for installation inaccuracies and ensures an attractive finish for the façade.

The metal profiles are coated with weather-resistant paint.

Dimensions:

Length 2 m, sides 2.3 cm, outer corner dimension 1 cm.

Joint strips in colors RR21 and RR750 are also available in 1.25 m lengths.

2 m joint strip colors:	Suitable with board color:
RR20 white	21R, 83R; 85R; 94R
RR21 light grey	33R
RR23 dark grey	30R; 35R
RR24 yellow	85R
RR30 beige	83R; 85R; 94R
RR32 dark brown	10R; 34R
RR36 green	87R
RR11 pine green	84R; 87R
RR750 red	13R; 34R; 88R

Inner corner molding for joints between façade panels

The internal corner bead finishes the joint between the facade panels and prevents direct UV radiation and rainwater from accessing the frame.

Application areas:

- A suitable strip must be used at the intersection of facade panels to fill the joint between the panels.
- The joint between two facade panels is necessary to ensure expansion space for the facade panel due to moisture.
- Using a strip to fill the joint between facade panels prevents direct rainwater and UV radiation from reaching the facade structure, ensuring a long service life for the facade.
- The strip compensates for installation inaccuracies and ensures an attractive finish for the façade.

The metal profiles are coated with weather-resistant paint.

Dimensions:

Length 2 m, side height 2 cm.

2 m joint strip colors:	Suitable with board color:
RR20 valge	21R, 83R; 85R; 94R
RR21 helehall	33R
RR23 tumehall	30R; 35R
RR24 kollane	85R
RR30 beež	83R; 85R; 94R
RR32 tumepuun	10R; 34R
RR36 roheline	87R
RR11 okkaroheline	84R; 87R
RR750 punane	13R; 34R; 88R

External corner molding for joints between facade panels

External corner molding finishes the joints between facade panels and prevents direct UV radiation and rainwater from accessing the frame.

Application areas:

- A suitable molding must be used at the intersection of facade panels to fill the joint between the panels.
- The joint between two facade panels is necessary to ensure expansion space for the facade panel due to moisture.
- Using a strip to fill the joint between facade panels prevents direct rainwater and UV radiation from reaching the facade structure, ensuring a long service life for the facade.
- The strip compensates for installation inaccuracies and ensures an attractive finish for the façade.

The metal profiles are coated with weather-resistant paint.

Dimensions:

Length 2 m, side height 1.8 cm.

External corner strips in colors RR21 and RR750 are also available in a length of 1.25 m.

2 m joint strip colors:	Suitable with board color:
RR20 valge	21R, 83R; 85R; 94R
RR21 helehall	33R
RR23 tumehall	30R; 35R
RR24 kollane	85R
RR30 beež	83R; 85R; 94R
RR32 tumepruun	10R; 34R
RR36 roheline	87R
RR11 okkaroheline	84R; 87R
RR750 punane	13R; 34R; 88R

Drip cap for horizontal joints

Drip edge finishes the horizontal joints between facade panels and prevents direct UV radiation and rainwater from accessing the frame.

Application areas:

- A suitable strip must be used at the intersection of facade panels to fill the joint between the panels.
- The joint between two facade panels is necessary to ensure expansion space for the facade panel due to moisture.
- Using a strip to fill the joint between facade panels prevents direct rainwater and UV radiation from reaching the facade structure, ensuring a long service life for the facade.
- The strip compensates for installation inaccuracies and ensures an attractive finish for the façade.

The metal profiles are coated with weather-resistant paint.

Dimensions:

Length 2 m, upper edge 2 cm, middle section 1.5 cm, lower edge 2 cm.

Drip caps in colors RR21 and RR750 are also available in a length of 1.25 m.

2 m joint strip colors:	Suitable with board color:
RR20 valge	21R, 83R; 85R; 94R
RR21 helehall	33R
RR23 tumehall	30R; 35R
RR24 kollane	85R
RR30 beež	83R; 85R; 94R
RR32 tumepruun	10R; 34R
RR36 roheline	87R
RR11 okkaroheline	84R; 87R
RR750 punane	13R; 34R; 88R

Elastic PVC foam joint tape

Elastic PVC foam joint tape is suitable for sealing between facade panels and the frame, as well as between the plinth and the supporting structure. Joint tape is used in construction for air, heat and moisture insulation and for finishing the joints between facade panels. The widely used elastic PVC foam joint tape is coated on the underside with acrylic adhesive with good adhesion and on the top with protective, removable silicone paper. The joint tape is a material with good adhesion and water resistance that is UV and weather resistant.

Colors: white, black, light grey

Dimensions:

White: 50 mm x 1 mm, 25 m roll

Black and light grey: 50 mm x 1 mm, 50 m roll



A ventilated facade is an easy-to-install structure that is attached to the exterior wall of a building. The structure consists of interconnected facade brackets, load-bearing profiles and facade cladding. The ventilated facade system is one of the most technologically advanced methods of finishing exterior walls, which has been used for decades. Requirements and standards have been established for the construction of ventilated facades to protect the walls of buildings from the effects of weather and extend the life of the building.

Why choose a ventilated facade?

- Ventilated facades can be installed in any season.
- A ventilated facade allows for effective insulation of walls by installing insulation on the outside of the building.
- A ventilated facade ensures optimal air and vapor circulation in the building structures, removing excess moisture from the building structures, thereby extending the life of the building and creating a suitable microclimate.
- The low weight of a ventilated facade allows it to be installed on all types of load-bearing walls. The finishing panels can be replaced without changing the load-bearing structure.
- A ventilated facade ensures air flow along the facade, thereby slowing down the cooling of walls in winter and overheating in summer.

We offer aluminium profiles, aluminium or stainless steel fasteners, as well as various accessories (screws, EPDM seals, etc.) for the construction of ventilated facade frame systems.

We recommend constructing ventilated facade systems with stainless steel fasteners or aluminium L and T profiles.

Stainless steel fittings reduce heat loss and increase the energy efficiency of the building.

Type of metal	Thermal conductivity (λ), W/mK
Aluminium	220
Steel (galvanized)	50
Stainless steel	17

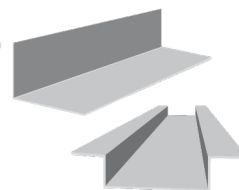
For each project, the thermal conductivity coefficient must be calculated separately, taking into account the thickness of the thermal insulation, the U-value of the existing wall, and the quantities and parameters of the load-bearing elements and fasteners.

Example: existing wall U-value - 0.86 W/m²K, required value - 0.18 W/m²K.

U-value of the entire insulated wall W/m ² K	0,18
When using stainless steel fasteners	150 + 30 (mm)
When using galvanized steel fasteners	200 + 30 (mm)
When using aluminum fasteners with a PVC gasket	350 + 30 (mm)

The table shows that when using stainless steel brackets, the required thickness of thermal insulation is almost half as much for the same wall U-value.

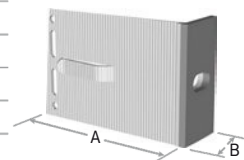
L-profile	Lenght	A (mm)	B (mm)	T (mm)	Lenght (mm)
Aluminiumprofile	L-6m	40	50	1,8	6 000
Aluminiumprofile	L-6m	50	50	1,2	6 000
Aluminiumproile	L-6m	40	20	1,2	6 000
Omega profile	L-6m	20/20	60/100	1,8	6 000



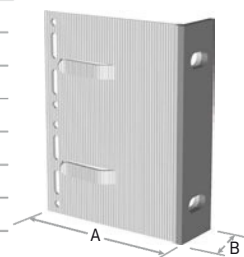
T-profile	Lenght	A (mm)	B (mm)	T (mm)	Lenght (mm)
Aluminiumprofile	L-6m	60	50	1,8	6 000
Aluminiumprofile	L-6m	80	50	1,8	6 000
Aluminiumprofile	L-6m	110	20	1,8	6 000
Aluminiumprofile	L-6m	120	50	1,8	6 000



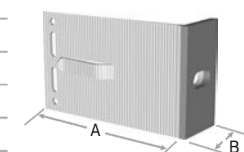
Aluminum mounting bracket	A (mm)	B (mm)	T (mm)	Height (mm)
Facade mounting bracket	60	40	3	70
Facade mounting bracket	80	40	3	70
Facade mounting bracket	100	40	3	70
Facade mounting bracket	120	40	3	70
Facade mounting bracket	150	40	3	70
Facade mounting bracket	180	40	3	70
Facade mounting bracket	210	40	3	70
Facade mounting bracket	240	40	3	70



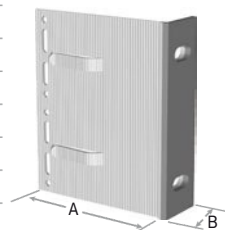
Aluminum mounting bracket	A (mm)	B (mm)	T (mm)	Height (mm)
Facade mounting bracket	60	40	3	140
Facade mounting bracket	80	40	3	140
Facade mounting bracket	100	40	3	140
Facade mounting bracket	120	40	3	140
Facade mounting bracket	150	40	3	140
Facade mounting bracket	180	40	3	140
Facade mounting bracket	210	40	3	140
Facade mounting bracket	240	40	3	140



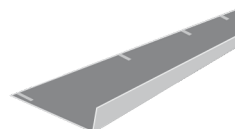
Stainless steel mounting bracket	A (mm)	B (mm)	T (mm)	Height (mm)
Facade mounting bracket	64	42	1,5	70
Facade mounting bracket	92	40	1,5	70
Facade mounting bracket	126	40	1,5	70
Facade mounting bracket	152	40	1,5	70
Facade mounting bracket	187	40	1,5	70
Facade mounting bracket	210	40	2	70
Facade mounting bracket	238	40	2	70
Facade mounting bracket	273	40	2	70
Facade mounting bracket	300	40	2	70
Facade mounting bracket	317	40	2	70
Facade mounting bracket	376	40	2	70



Stainless steel mounting bracket	A (mm)	B (mm)	T (mm)	Height (mm)
Facade mounting bracket	64	42	1,5	140
Facade mounting bracket	92	40	1,5	140
Facade mounting bracket	126	40	1,5	140
Facade mounting bracket	152	40	1,5	140
Facade mounting bracket	187	40	1,5	140
Facade mounting bracket	210	40	2	140
Facade mounting bracket	238	40	2	140
Facade mounting bracket	273	40	2	140
Facade mounting bracket	300	40	2	140
Facade mounting bracket	317	40	2	140
Facade mounting bracket	376	40	2	140



Base profile - plinth profile		A (mm)	B (mm)	T (mm)	Lenght (mm)
Aluminum base profile	L-2m	100	20	0,8	2 000
Aluminum base profile	L-2m	130	20	0,8	2 000
Aluminum base profile	L-2m	150	20	0,8	2 000
Aluminum base profile	L-2m	180	20	0,8	2 000
Aluminum base profile	L-2m	200	20	0,8	2 000
Aluminum base profile	L-2m	220	20	0,8	2 000
Aluminum base profile	L-2m	240	20	0,8	2 000
Aluminum base profile	L-2m	260	20	0,8	2 000
Aluminum base profile	L-2m	280	20	0,8	2 000
Aluminum base profile	L-2m	300	20	0,8	2 000



Base profile – for ventilation partition wall		A (mm)	B (mm)	T (mm)	Lenght (mm)
Perforated aluminum base profile	L-2m	60	12	0,8	2 000
Perforated aluminum base profile	L-2m	90	12	0,8	2 000

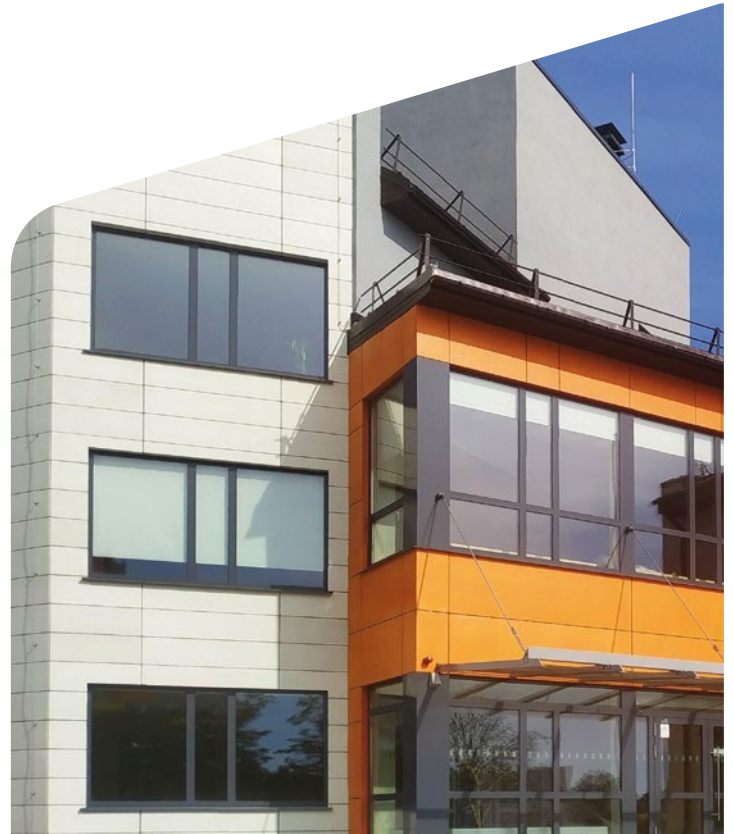


Fastening elements	Ø (mm)	Lenght (mm)
Plastic anchor WKRET-MET KPR	10	80
Plastic anchor EJOT SDF-KB-10Vx50-V-SW13	10	50
Plastic anchor EJOT SDF-KB-10Vx60-V-SW13	10	60
Plastic anchor EJOT SDF-KB-10Hx80-V-SW13	10	80
DIN 7405 K A2 Self-tapping screw	4,8	16
DIN 7405 K A2 Self-tapping screw	4,8	19
DIN 7405 K A2 Self-tapping screw	4,8	22
DIN 7405 K A2 Self-tapping screw	5,5	19
A/st panel fastening rivet 4,8x18/16	4,8	18
A/st panel fastening rivet 4,8x18/16 painted	4,8	18

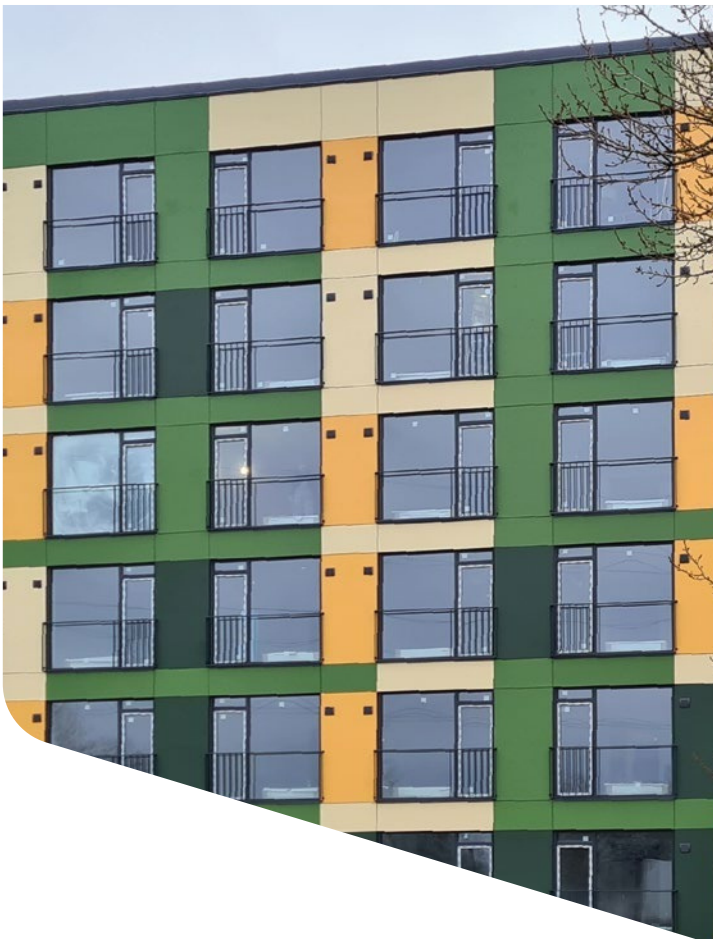


Additional elements		Width (mm)	Thickness (mm)	Lenght (mm)
EPDM tape	L-20m	30	1	20 000
EPDM tape with full adhesive	L-20m	30	1 (0,8 + 0,2)	20 000
EPDM tape	L-20m	50	1	20 000
EPDM tape	L-20m	90	1	20 000
Thermostop (thermal pad under facade mounting brackets)		40	5	140
		Material	Thickness (mm)	Lenght (mm)
Panel fixing clamp (one side)		Stainless steel	1,2	60
Panel fixing clamp (four sides)		Stainless steel	1,2	60

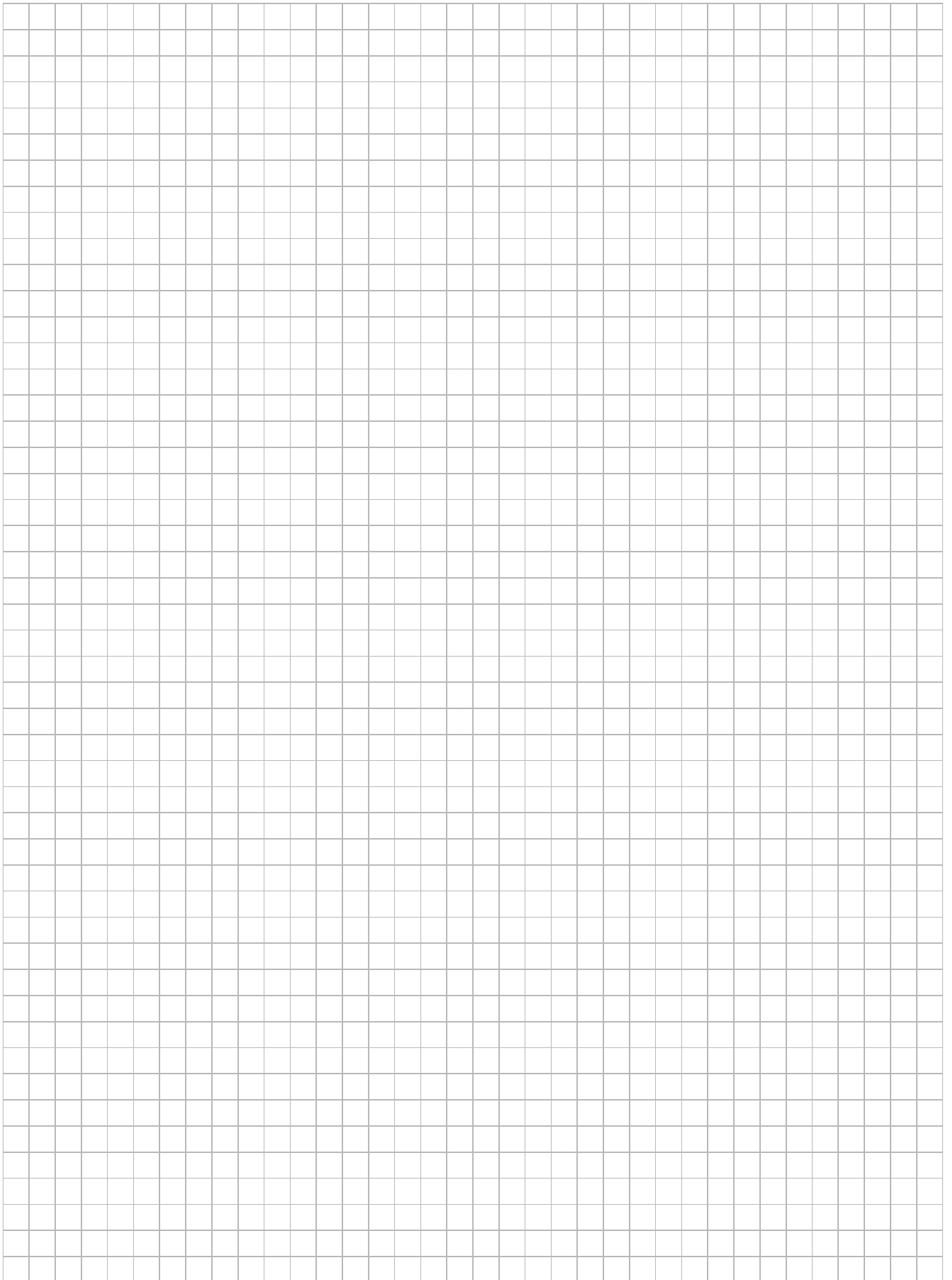


















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