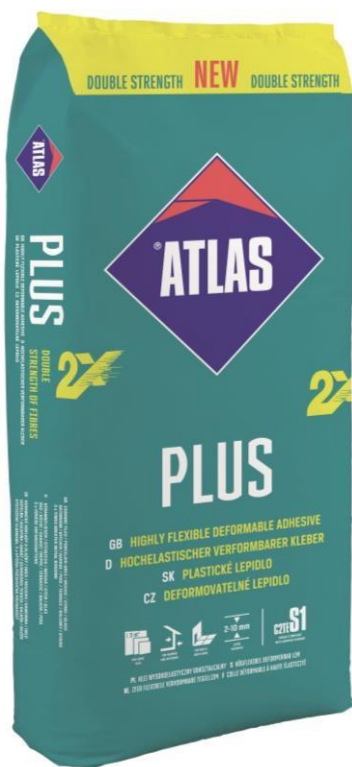




C2TE S1
PRODUCT CONFORMS TO THE
EUROPEAN STANDARD

ATLAS PLUS

highly flexible, deformable adhesive
2-10 mm

- excellent bonding even at low temperatures
- ceramic tiles, porcelain-gres, mosaic, stone, glasstiles
- bathroom, kitchen, terrace, balcony, garage, stairs, swimming pool
- OSB, plasterboard, old tiles, waterproofing, terrazzo, floor heating
- 3 x greater initial bonding



Polymer technology

The formulation of the new ATLAS PLUS adhesive uses the ATLAS POLYMER TECHNOLOGY. Thanks to the high content of polymer compounds, the cementitious adhesive obtains unique properties, making it a product with the highest technical and performance parameters, assuring long term durability. The presence of polymers ensures great bonding of any cladding to any substrate type, also to, so called, difficult and critical ones. Owing to the interchange of the polymer network with the network of inorganic hydration cement bindings, the adhesive offers outstanding parameters.

The use of the POLYMER TECHNOLOGY in ATLAS PLUS gives the following benefits:

- durable and strong bonding of the cladding to difficult and non-absorbent substrates,
- safe to use at temperatures as low as 1 °C - thanks to the setting accelerators, the use of the new ATLAS PLUS adhesive allows the cladding to be walked on after 24 hours, even when installed in insufficiently heated rooms in autumn to spring.
- possibility of use on substrates exposed to high deformation and vibration,
- high resistance to extreme operating loads - mechanical and thermal,
- excellent bonding to all types of cladding,
- safe to use for all tile formats, including tiles with a surface up to 5 m² large,
- excellent working parameters and rheology.

Double-fibre technology

ATLAS DOUBLE FIBRES TECHNOLOGY is based on a mix of polypropylene and cellulose fibres.

The polypropylene fibres used in the ATLAS DOUBLE FIBRES TECHNOLOGY are a material with very high chemical resistance to acids, alkalis and solvents or salts.

They are hydrophobic, practically non-absorbent, and therefore resistant to microbiological attack. The fibres improve the mechanical properties of the mortar by creating a dispersed reinforcement in the mortar structure. The cellulose fibres become elastic and ductile under water after. They increase their volume and allow the free transport of water along the fibres, thus having a significant effect on the working properties of the mortar - they improve the rheology of the mortar, limit its flow, extend its open time and increase the wettability of the substrate. The cellulose fibers prevent too quick water retention by the substrate, therefore set ATLAS PLUS gets the best technical performance, such as bonding to the substrate and strength.

The DOUBLE FIBRES TECHNOLOGY in ATLAS PLUS offers the following benefits:

- improvement of strength parameters,
- a significant improvement of resistance to high operational loads, impacts and vibrations,
- safe fixing at large temperature differences,
- compensation of stress occurring on deforming substrates,
- improvement of water retention in the mortar: fibers reduce the result of sudden water retention both on joint with absorbable substrate and absorbable tile as well as within the evaporation zone; during adhesive binding and drying (particularly when applied with maximum coat) the fibers accumulate and transport water and keep its uniform level within the whole coat,
- limitation of the effect of tile "sinking"
- significant improvement of workability
- improvement of tiles stability just after fixing to the substrate.

Properties

ATLAS PLUS is manufactured as a dry mix of high quality cement binder, aggregates and special composition of modifiers.

Highly flexible – deformability S1 – the permissible deflection of the set adhesive is within 2.5 – 5 mm range (test according to PM-EN12002).

Three times greater initial bonding, i.e. $\geq 1.5 \text{ N/mm}^2$.

The adhesive layer thickness range (2-10 mm) allows:

- thin-coat cladding fixing on even substrates,
- thin-coat cladding fixing on uneven substrates, preceded by substrate floating.

Extended open time - allows placing tiles on adhesive even 30 minutes since application upon the substrate – it can be once applied onto larger surface and therefore significantly reduce the time of work.

Reduced slip - enables fixing cladding “from the top” – proper consistency and layer thickness eliminate the adhesive slip. This makes it possible to start work from the top of the wall and avoid cut-to-size tiles on exposed wall zones.

Versatility of use – the adhesive is designed for almost any cladding type, regardless the tile size, on various substrates, in any building type, even with high operational loads.

Recommended for cladding in drinking water tanks, the food industry, healthcare facilities, nurseries, kindergartens, etc.

Purpose

TYPE OF FIXED CLADDING	
glazed tiles	+
terracotta	+
porcelain-gres tiles	+
laminated gres	+
natural stone cladding (granite, marble, travertine, syenite, slate, etc.).	application test required *
clinker	+
stone	+
ceramic mosaic	+
glass mosaic	application test required *
glass plates, coloured, printed, etc.	application test required * and check the recommendations of the tile manufacturer
concrete / cement mortar tiles	+
composite panels	+
insulation and acoustic panels	+

* *description of application test in section “Important additional information”

SIZE OF FIXED ELEMENTS	
any tile formats, even over 5 m ²	+
Slim-type tiles	+

OBJECT TYPE	
housing construction	+
public, educational, office and healthcare buildings	+
commercial and service construction	+
sacral buildings	+
industrial buildings and multi-storey garages	+
industrial warehouses	+
traffic construction	+
SPA facilities	+

PLACE OF INSTALLATION	
low-traffic areas	+
medium traffic areas	+
heavy traffic areas	+
kitchen, bathroom, laundry room, garage (in individual housing)	+
terraces	+
balconies	+
external slab stairs	+
external beam stairs, e.g. bracket stairs	+
traffic routes	+
facades (including on thermal insulation systems)	+
plinth cladding	+
technological tanks, swimming pools, fountains, jacuzzis, balneotechnology (without aggressive chemicals)	+
drinking water tanks	+
saunas	+
showers, washing facilities, rooms washed with large quantities of water	+

TYPE OF SUBSTRATE - standard	
cement floors and screeds	+
anhydrite screeds	+
cement and cement-lime plasters	+
gypsum plastering in dry areas of rooms	+
gypsum plastering in damp and wet areas of rooms	+
cellular concrete walls	+
brick or silicate block walls	+
brick or hollow brick walls	+
gypsum block walls	+

Type of substrate - difficult	
concrete	+
terrazzo	+
mineral, dispersion and reactive sealing coatings	+
dry gypsum board screeds	+
screeds (cement or anhydrite) with embedded heating system, either water or electric	+
screeds with embedded heating mats	+
plaster with heating system	+
gypsum boards	+
gypsum fibre boards	+
cement fibre boards	+
existing ceramic or stone cladding (tile on tile)	+
resin varnishes for concrete bound with the substrate	+
dispersion, oil-bound coatings	+
timber floors (thickness >25mm)	+
wood-based flooring panels, minimum 22 mm thick, fixed with ATLAS M-System fasteners	+
OSB/3, OSB/4 and particle board on the floor (thickness > 25 mm)	+
OSB/3, OSB/4 and particle board on the wall (thickness > 18 mm)	+
metal and steel surfaces	+
plastic surfaces	+

Technical data

Bulk density	approx. 1.4 g/cm ³
Mixing ratio (water/dry mix)	0.26 ÷ 0.29 l / 1 kg 1.3 ÷ 1.45 l / 5 kg 2.6 ÷ 2.9 l / 10 kg 5.2 ÷ 5.8 l / 20 kg 6.5 ÷ 7.25 l / 25 kg
Min/max. adhesive thickness	2 mm ÷ 10 mm
Adhesive preparation temperature, substrate and ambient temperature during application	from +1 °C to +25 °C
Maturing time	approx. 5 minutes
Pot life*	approx. 4 hours
Open time*	min. 30 minutes
Adjustability*	approx. 10 minutes
Grouting of wall/floor cladding*	after approx. 16/24 hours
Foot traffic*	after approx. 24 hours
Full operational loads - foot traffic*	after 3 days
Full operational loads - vehicle traffic*	after 14 days
Full load under water - pool / tank*	after 14 days

*The times shown in the table are recommended for application conditions of approx. 23 °C and 55 % humidity.

Technical requirements

The product complies with the requirements of PN-EN 12004+A1:2012 for an adhesive of class C2TE S1 - adhesive for tiles, cementitious adhesive with increased parameters, extended open time and reduced run-off, deformable, for indoor and outdoor use on walls and floors.

ATLAS PLUS NEW (2019) Declaration of performance No. 222/1/CPR. EN 12004:2007+A1:2012	
Intended use: any interior and exterior installation of tiles	
Reaction to fire	A1/A1 _{fl}
Bond strength defined as: initial bonding	≥ 1.0 N/mm ²
Bond durability in conditioning/thermal ageing conditions defined as: bonding after thermal ageing	≥ 1.0 N/mm ²
Bond durability in water/damp conditions defined as: bonding after immersion in water	≥ 1.0 N/mm ²
Bond durability in freeze-thaw cycles conditions defined as: bonding after freeze-thaw cycles	≥ 1.0 N/mm ²

Substrate preparation

The substrate should be:

stable - sufficiently load-bearing, resistant to deformation, free of substances that reduce adhesion and seasoned.

even - the maximum thickness of the adhesive is 10 mm, for levelling substrates with larger irregularities can be used e.g:

- ATLAS ZW 330 levelling mortar,
- ATLAS SMS, MMS, SAM or POSTAR floor screeds

cleaned - from layers that may impair adhesion of the adhesive, in particular from dust, dirt, lime, oil, grease, wax, oil and emulsion paint residues; substrates covered with algae, fungi, etc. should be cleaned and protected with:

- ATLAS MYKOS PLUS,

Primed when the substrate has excessive or heterogeneous absorbency:

- ATLAS GRUNT NKP (ready to use – no dilution)
- ATLAS UNI-GRUNT
- ATLAS UNI-GRUNT ULTRA

Covered with a bonding primer when substrate has low absorbency or is covered with layers that limit adhesion,

- ATLAS ULTRAGRUNT – recommended for critical substrates
- ATLAS GRUNTO-PLAST,

waterproofed - when laying tiles on surfaces that are exposed to water:

- ATLAS FAST DRYING LIQUID FOIL WODER E
- ATLAS LIQUID FOIL WODER W,
- ATLAS WODER S,
- ATLAS WODER DUO,
- ATLAS WODER SX

Detailed indications of substrate preparation, depending on the type of substrate, are shown in the table at the end of the Technical Sheet.

Cladding installation

Adhesive preparation

Pour the contents of the bag into a vessel with the measured amount of water (proportions given in the Technical Data) and mix with a slow-speed mixer with a mortar mixer until a uniform consistency is obtained. The mixed adhesive should be set aside for 5 minutes and mixed again. The adhesive thus prepared should be used within approx. 4 hours (every hour, the finished adhesive in the bucket should be stirred again).

Adhesive application

It is recommended to first rub a thin layer of adhesive into the substrate and then apply a thicker layer of adhesive, immediately profiling with a notched trowel. It is recommended that the notched trowel should be guided in one direction as much as possible. On walls, it is recommended to profile the adhesive in a vertical direction.

In the case of floor tiles, outdoor cladding and the installation of large-format tiles, it is recommended that the bonding surface is complete (if necessary, use a combined method of applying adhesive mortar to the substrate and to the undersurface of the tile).

For bonding large-format tiles 300 x 100 mm and larger, use one of the three variants of the combination method:

- adhesive on substrate with 8 mm trowel + adhesive on tile with 6 mm trowel,
- adhesive on substrate with 10 mm trowel + adhesive on tile with 4 mm trowel.
- adhesive on the substrate with a 12 mm trowel + adhesive on the tile, smooth to a thickness of approx. 1 mm.

Bonding the cladding

After spreading on the substrate, the adhesive retains its properties for approximately 30 minutes (at a temperature of approximately 23 °C and 55 % humidity). During this time, apply the tile to it and press down carefully (the contact area between the tile and the adhesive should be even and as large as possible - min. 2/3 of the tile surface). Excess adhesive appearing in the joints when pressing the tiles should be removed continuously. Maintain the width of the joints depending on the size of the tiles and operating conditions.

Correcting the position of the plate

The position of the plate can be corrected by gently moving it in the plane of bonding. This can be done for about 10 minutes after pressing (at a temperature of approx. 23 °C and 55 % humidity).

Grouting and use of the cladding

ATLAS grouts are recommended for grouting the cladding. Grouting the cladding made on the walls is possible 16 hours after the tiles have been adhered. The floor covering can be walked on and grouted approximately 24 hours after the tiles have been bonded. The mortar reaches its service life after 3 days (see Technical Data). Expansion joints between tiles, joints along wall corners, joints at sanitary facilities should be filled with ATLAS ELASTIC SANITARY SILICONE or ATLAS SANITARY SILICONE SILTON S.

Consumption for use as tile adhesive

Tile size [cm]	Place of application	Recommended trowel tooth size [mm]	Consumption rate [kg/m ²]
2 x 2	wall	4	1,5
	flooring	4	1,5
10 x 10	wall	4	1,5
	flooring	6	2,3
15 x 60	wall	6	2,3
	flooring	8	2,9
20 x 25	wall	6	2,3
	flooring	8	2,9
25 x 40	wall	6	2,3
	flooring	8	2,9
30 x 30	wall	6	2,3
	flooring	8	2,9
30 x 60	wall	8	2,9
	flooring	10	3,5
40 x 40	wall	8	2,9
	flooring	10	3,5
50 x 50	wall	8	2,9
	flooring	10	3,5
60 x 60	wall	10	3,5
	flooring	12	4,3
above 60 x 60 e.g. 90 x 90, 120 x 20, 300 x 100	wall	combined method	approx. 5,1 (depending on the adhesive variant used)
	flooring		
plank-type tiles*, e.g. 20 x 90 or 25 x 100	wall	8	2,9
	flooring	10	3,5

Average consumption listed in the table below refers to application upon even substrates. Substrate irregularities increase the actual mortar consumption. In case of mixed method of fixing the adhesive consumption is greater.

* for slab type tiles it is recommended to apply tiles with combined method. In case of using combined method, the consumption will be increased.

Packaging

Alubag: 5 kg
Plastic bag 10 kg
Plastic bag 20 kg
Plastic bag 25 kg

Safety information

Safety information is provided on the product packaging and in the Safety Data Sheet available at www.atlas.com.pl.

The product has been given the Hygienic Attest.

Storage and transport

Information on storage and transport is provided on the product packaging and in the Safety Data Sheet available at www.atlas.com.pl.

The shelf life of the product is:

- for product in plastic bags - 12 months from the production date shown on the packaging,
- for product in alubags - 24 months from the production date shown on the packaging,

Important additional information

Do not soak the tiles before gluing. When determining the thickness of the adhesive under the cladding, geometric deviations in the shape of the tiles, e.g. curling of the plane, must be taken into account.

Before fixing natural stone tiles or glass elements, it is necessary to do an application test. For this purpose, one tile should be bonded to the substrate. The bonding area should be 60 % (40 % of the tile surface should not be in contact with the adhesive). After 2-3 days, the appearance of the tile should be assessed. The test result can be considered positive if there are no shade

differences on the tile surface between areas in contact and not in contact with the adhesive.

The open time – from the moment of application of adhesive to the moment of placing the tiles upon it – is limited. In order to check if it is still possible to fix tiles, performing a test is recommended. It consists in pressing fingers against the adhesive. If the adhesive remains on fingers, one can fix the tiles. If fingers are clean, the old layer of adhesive has to be removed and a new one applied.

Clean the tools with clean water, directly after using the adhesive. Difficult to remove remains of the bonded adhesive should be washed off with ATLAS SZOP.

Water tanks for human consumption should be rinsed with water after the product has been seasoned.

The information included in the Product Data Sheet constitutes basic guidelines concerning the use of the product and does not release from the obligation to conduct work according to the best construction practices and health and safety at work regulations. On the date of issue of this Product Data Sheet, all previous Product Data Sheets become invalid. The accompanying documents for the product are available at www.atlas.com.pl.

The content of the Product Data Sheet as well as the symbols and trade names used in it are the property of Atlas sp. z o. o. Their unauthorized use will be sanctioned.

Updated: 2023-09-26

The table below shows the specific requirements for substrate preparation. Before starting work, also refer to the Technical Sheets of the products listed in the table. The times shown in the table are recommended for application and seasoning conditions of approx. 20 °C and 50 % humidity.

Newly manufactured cementitious screeds ATLAS POSTAR 10	Moisture content of the substrate 4.0 % CM - after approx. 1.5 days for a substrate thickness of 1.0-3.0 cm - after approx. 3 days for a substrate thickness of 3.1-5.0 cm - after approx. 9 days for a substrate thickness of 5.1-10.0 cm
Newly manufactured cementitious screeds ATLAS POSTAR 20	Moisture content of the substrate 4.0 % CM - after approx. 1 day for an substrate thickness of 1.0-3.0 cm - after approx. 2 days for a substrate thickness of 3.1-5.0 cm - after approx. 5 days for a substrate thickness of 5.1-8.0 cm
Newly manufactured cementitious screeds ATLAS POSTAR 60	Moisture content of the substrate 4.0 % CM - after approx. 6 hours for a substrate thickness of 1.0-3.0 cm - after approx. 12 hours for a substrate thickness of 3.1-5.0 cm - after approx. 40 hours for a substrate thickness of 5.1-8.0 cm
Newly manufactured cementitious screeds ATLAS POSTAR 80	Moisture content of the substrate 4.0 % CM - after approx. 3 hours for a substrate thickness of 1.0-3.0 cm - after approx. 6 hours for a substrate thickness of 3.1-5.0 cm - after approx. 18 hours for a substrate thickness of 5.1-8.0 cm
Newly manufactured cementitious screeds ATLAS SMS 15	Moisture content of the substrate 4.0 % CM - after approx. 8 hours for an substrate thickness of 1-15 mm
Newly manufactured cementitious screeds ATLAS SMS 30	Moisture content of the substrate 4.0 % CM - after approx. 18 hours for an substrate thickness of 3-5 mm - after approx. 48 hours for an substrate thickness of 6-10 mm - after approx. 72 hours for a substrate thickness of 11-20 mm - after approx. 96 hours for an substrate thickness of 21-30 mm

Newly manufactured cementitious screeds ATLAS SMS 80	Moisture content of the substrate 4.0 % CM - after approx. 4 days for a thickness of 25-40 mm - after approx. 6 days for a thickness of 41-60 mm - after approx. 9 days for a thickness of 61-80 mm
Other cement mortar substrates	Compressive strength of at least 12 MPa. Seasoning minimum 28 days Optimum moisture content < 4% by weight Prime with one of the emulsions: - ATLAS GRUNT NKP (ready to use – no dilution) - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Newly manufactured hybrid screeds ATLAS MMS 60	Required moisture content of the substrate 1 % CM - after approx. 21 days for a substrate thickness of 2.0 - 4.0 cm - after approx. 28 days for a substrate thickness of over 4.0 cm
Newly manufactured anhydrite screeds ATLAS SAM 100	Moisture content of the substrate 1.0 % CM - approx. 4 days for a thickness of 0.5-3.0 cm Moisture content of the substrate 0.5 % CM (when heating) - approx. 7 days for a thickness of 0.5-3.0 cm Prime with one of the emulsions: - ATLAS GRUNT NKP (ready to use – no dilution) - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Newly manufactured anhydrite screeds ATLAS SAM 200	Moisture content of the substrate 1.0 % CM - approx. 10 days for a thickness of 2.5-4.0 cm - approx. 21 days for a thickness of 4.1 to 6.0 cm If a white surface deposit has appeared while the substrate is drying, it should be removed mechanically by sanding and then the entire surface dusted. Prime with one of the emulsions: - ATLAS GRUNT NKP (ready to use – no dilution) - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Cement and anhydrite screeds with underfloor heating (heating underlay)	Attention. When the substrate is a screed with sunken underfloor heating, it must absolutely be heated. Information on the heating of ATLAS screeds is given in their technical data sheets. Tiles with ATLAS PLUS can be adhered both on and off underfloor heating: - when the tiles are applied on a screed with the underfloor heating switched off, then the underfloor heating may be activated after a minimum of 14 days, - when the tiles are installed on a screed with the underfloor heating system switched on, the temperature of the screed must be stabilised and may not exceed +35 °C. For the next 14 days after the installation of the tiles, the temperature of the screed must not exceed +35 °C. It is not possible to adhere tiles to other types of operating (switched on) underfloor heating, embedded e.g. in an adhesive layer.
Bricks or hollow bricks of calcium-silicate, ceramic or cellular concrete	A two-layer render (render + filler) trowelled to a rough finish is required. Bonding directly to unrendered masonry is only possible if the geometric requirements of the substrate are met. In this case, it is necessary to complete the wall with a full joint (or to complete the jointing) and to repair any defects and unevenness using ready-made mortars. Prime with one of the emulsions: - ATLAS GRUNT NKP (ready to use – no dilution) - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Cement and cement-lime plasters from ATLAS ready-mixed mortars	Seasoning minimum 3 days for every 1 cm of thickness Optimum moisture content < 4% CM Prime with one of the emulsions: - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Other cement and cement-lime plasters	Minimum CS category III Minimum curing time of 7 days for each 1 cm of thickness Prime with one of the emulsions: - ATLAS GRUNT NKP (ready to use – no dilution) - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Gypsum plasters	Recommended compressive strength > 4 MPa Prime with one of the emulsions: - ATLAS GRUNT NKP (ready to use – no dilution) - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA If the gypsum plaster is made in a wet room, then it should be carefully protected against moisture, e.g. by applying an insulating coating of ATLAS FAST DRYING LIQUID FOIL WODER E or ATLAS LIQUID FOIL WODER W Gypsum plaster should be removed

Mortar levelled substrates ATLAS ZW 330	Moisture content of the substrate 1.0 % CM - 5 hours at 5 mm film thickness - 10 hours at a film thickness of 10 mm - 20 hours for a layer thickness of 20 mm - 48 hours for layer thicknesses over 20 mm
Concrete floors	Seasoning time minimum 3 months Optimum moisture content < 4% by weight Absolutely clean off any residue from concreting separators and other substances that may impair adhesion Repair deficiencies, chipping and other cavities with one of the mortars: - ATLAS ZW 330 - ATLAS FILER S Prime with ATLAS ULTRAGRUNT
Newly installed waterproofing with ATLAS	- ATLAS FAST DRYING LIQUID FOIL WODER E - tiling can start after 2 hours (for damp-proofing) and after 4 hours (for waterproofing) - ATLAS LIQUID FOIL WODER W - possibility to install the cladding after 24 hours - ATLAS WODER DUO - possibility to install the cladding after 12 hours - ATLAS WODER SX – possibility to install the cladding after 40 hours
Lastryko	Thoroughly degrease the surface and, in the case of pasted terrazzo, remove the top part or all of it and make a new substrate. Prime with ATLAS ULTRAGRUNT.
Concrete water tanks, swimming pool basins, made of water-permeable concrete	Sanding, sandblasting or hydro-sanding required to open up surface pores.
Water tanks (retention basins, etc.), swimming pool basins, paddling pools, etc. surfaces insulated with flexible grouts or liquid membranes	If required, gently clean the surface of the waterproofing so as not to damage the waterproofing.
Oil paint and resin varnish coatings	Remove coats with low adhesion to the substrate mechanically. Stable coatings well bonded to the substrate: sand, vacuum; oil-based coatings should be primed with ATLAS ULTRAGRUNT. Remove gypsum putty based on which the substrate has been levelled.
OSB and plank flooring	- the layering should be designed and executed so as to prevent deformation that could damage the cladding - OSB/3 and OSB/4 (in accordance with EN 300:2007) with a thickness of at least 25 mm can be used for floors and at least 18 mm for walls. - the system must not buckle under operating loads. - for proper adhesion to the tile adhesive, roughen the surface of the substrate with 40-60 grit sandpaper and clean off any dust. - prime with ATLAS ULTRAGRUNT - In rooms with higher humidity, possible swelling of the OSB boards (check the values declared by their manufacturer) or deformation of the boards must be taken into account. In this case, the system constituting the substrate for the tiles should be protected against moisture. The waterproofing ATLAS LIQUID FOIL WODER W or ATLAS FAST DRYING LIQUID FOIL WODER E.
Existing ceramic or stone tile coverings	- the adhesion of the existing cladding to the substrate should be assessed by tapping the - Remove any old tiles that have become detached from the substrate. - fill cavities, e.g. with ATLAS ZW 330 mortar - Thoroughly clean and degrease the surfaces of the remaining tiles. - Glazed tiles are roughened with a diamond disc grinder. - clean all dust - Prime with ATLAS ULTRAGRUNT.
Metal and steel surfaces	Cleaning and rust removal required, priming with ATLAS ULTRAGRUNT. In the case of cladding that will be exposed to dynamic loads, the following should be used for priming ATLAS EPO-S universal epoxy binder with quartz sprinkling
Plastic surfaces	Required cleaning, sanding and priming with ATLAS ULTRAGRUNT. In order to confirm the bonding ability on plastic substrates, an adhesion test should be carried out on the substrate before the cladding is applied.