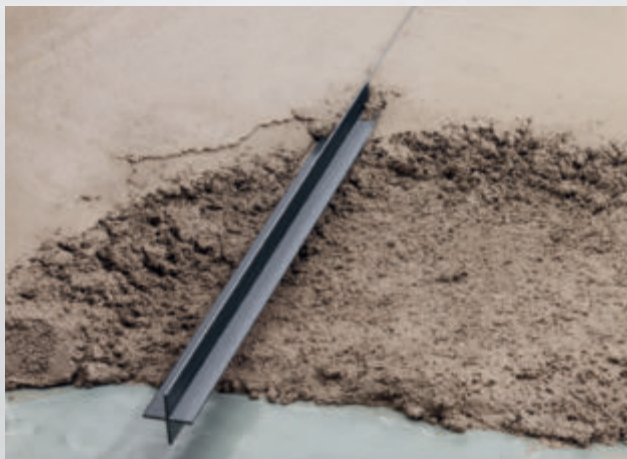
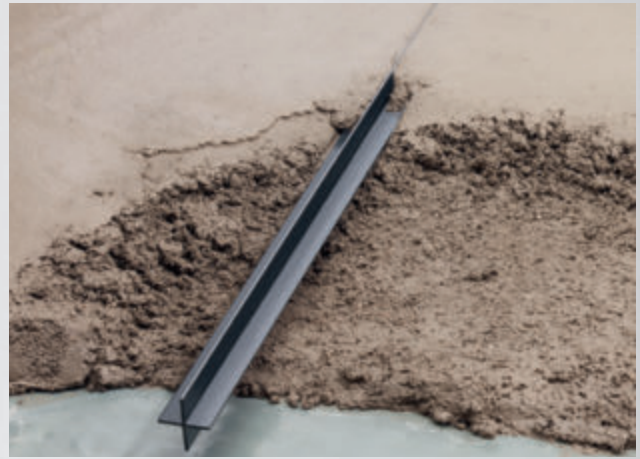
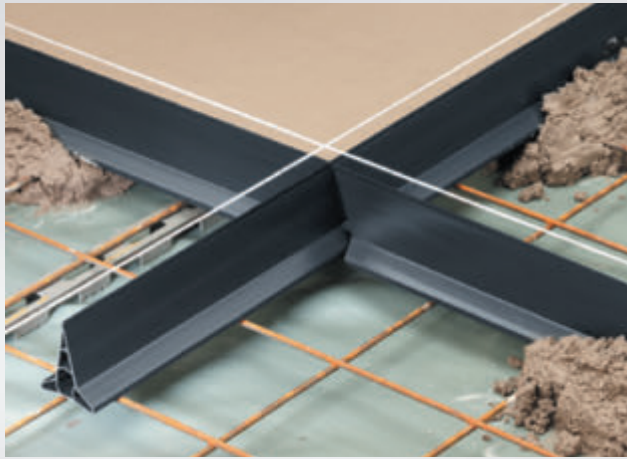


CONCRETE / SCREED JOINT PROFILES



Protektor concrete and screed profiles enable you to perform concrete construction, screed and flooring work with optimum results – because many construction phases can be carried out much more easily and precisely. We achieve this through top quality and a sophisticated range: Protektor concrete and screed profiles are made of materials which

stand out due to their premium quality and user benefits. In this catalogue, you will therefore find a selection of profiles which are perfectly adapted to the most common concrete and screed joints. Other solutions such as the step corner profile and the gravel trap are practical supplements to our range and support you in your daily work.

1. CONSTRUCTION AND PRESS JOINTS

Construction and press joints are construction and press phases which occur during the installation of screed in large areas. The joints are usually filled with solid bond resin.

2. DUMMY JOINTS

Screed, particularly concrete screed, shrinks during drying, which can result in the formation of wild cracks. A dummy joint is a planned and defined crack in the screed (predetermined breaking point).

Timely planned joints in the flooring (e.g. tiles, ceramics, linoleum, etc.) make it possible to form clean and straight dummy joints in the screed with dummy joint profiles. Some dummy joint profiles effectively lock the screed plates in place. Dummy joints in door soffits and passageways should not be sealed or closed. When hammering down the dummy joint profiles, it is important to install them horizontally/ vertically to ensure consistently high overlapping of the sides. Then the sides are covered with screed and smoothed.

In elastic and soft floorings (e. g. linoleum, carpeting, etc.), it is advisable to continue the dummy joint in the flooring with movement joint profiles. Otherwise it is possible that the dummy joints are visible in the flooring. This depends, however, on the quality and properties of the flooring, possible temperature fluctuations and expansion as well as formation and position of the dummy joint. In hard floorings (e.g. stone, ceramics, etc.), the joints must be continued in the flooring.

It is not part of the standard procedure or possible to fill screed with bond resin when dummy joints are already installed. As an alternative, the dummy joint can be made with a trowel groove and then filled with bond resin.

The screed specifications apply correspondingly to concrete floors.

3. MOVEMENT JOINTS

Movement joints separate the screed. They interrupt heat and sound transmission and allow movement. Movement joints must extend to the insulation layer. Possible reinforcements in the screed must be separated. They must be formed with elastic material or a special movement joint profile in the flooring area.

According to DIN 18560-2, movement joints within screed surfaces must be secured against height offset if required. It must be ensured that the screed is dried properly; the use of screed plugs is recommended.

Especially suited solutions or movement joint profiles must be used for movement joints in the screed above building joints.

4. BUILDING JOINTS

Building joints completely separate the building, including base plate, screed and walls. Settlement in the building may also be expected. Building joints can be found in larger buildings, halls and annexes to existing buildings.

5. EDGE JOINTS

Edge joints separate the screed at walls, supports, door reveals, etc. and can be regarded as movement joints. They are usually constructed using edge strips.

NOTES

Please comply with the corresponding guidelines and standards when installing concrete and screed profiles. The concrete and screed profiles are suitable for light to medium loads. This also depends, however, on the employed concrete and screed quality as well as the future use of/loads on the floor and joint. The profiles are not suitable for e. g. heavy equipment, forklifts or dynamic loads. More information on the respective profiles can be found in the product overview.

CONCRETE/SCREED JOINT PROFILES

PRODUCT INFORMATION



OVERVIEW OF MAIN APPLICATIONS

Item number	Description	Material	Screed				Concrete floors, concrete slabs		
			Dummy joints	Movement joints	Edge stop	Drip profile	Dummy joints	Edge stop	Drip profile
3908	Dummy joint profile for concrete floors	Rigid PVC					X	X	X
3906	Dummy joint profile for screed	Rigid PVC	X			X			
1116	Dummy joint profile for screed	Galvanised steel	X						
3914	Dummy joint profile for screed	Rigid PVC	X						
3915	Dummy joint profile for screed	Rigid PVC	X						
3917	Dummy joint profile for screed and concrete floors	Rigid PVC with foam pad	X				X		
3929	Movement joint profile for screed	Rigid PVC with PE foam		X					
3923	Movement joint profile for screed	Galvanised sheet steel with PE foam and steel plugs with polymer coating		X					
3916	Movement joint profile for screed	Galvanised sheet steel with PE foam and steel plugs with polymer coating		X					



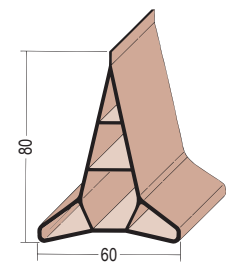
JOINT PROFILES

Dummy joint profile concrete PVC

PVC dummy joint profiles for concrete floors is used to create clean and straight dummy joints as well as drip profiles and formwork stops. The channel in the profile can also be used to route cables. The profile's wide contact area ensures a high degree of stability.

- Function:
- dummy joint
 - drip profile
 - formwork stop
 - channel for cable routing
 - straight joint run

Height (b): 80 mm
Processing instructions: Installation is carried out before concrete pouring and set on concrete chunks spaced approx. 70-80 cm from one another. Level the profile to the desired height. The concrete loss creates a joint of 1-2 mm along the profile. The position and distance of the profile depends on the specifications from the planner.



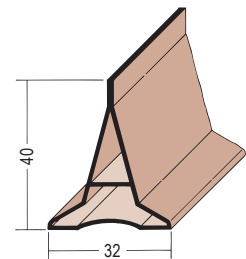
Item number	Material	Length	Order number	Package/ Large pack
3908	PVC-U	500	102504	5 STB / 48 BUN

Dummy joint profile screed PVC

Screed dummy joint profile for screed for creating clean and straight dummy joints as well as drip profiles.

- Function:
- dummy joint
 - drip profile
 - straight joint run.

Height (b): 40 mm
Processing instructions: Installation is carried out when the screed is being laid and is simply placed into the freshly set screed. Level the profile to the desired height. The concrete loss creates a joint of 1-2 mm along the profile. The position and distance of the profile depends on the specifications from the planner.



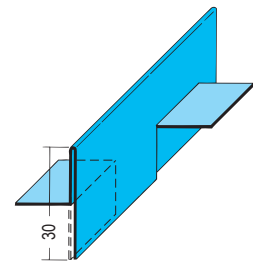
Item number	Material	Length	Order number	Package/ Large pack
3906	PVC-U	300	102502	10 STB / 80 BUN

Dummy joint profile screed galvanised steel

Screed dummy joint profile for screed for creating clean and straight dummy joints. Helps to lock screed panels.

- Function:
- dummy joint
 - straight joint run
 - clean surface finish

Height (b): 30 mm
Processing instructions: Installation takes place while the screed is being laid. Level the profile to the desired height. When pushing in the profile, remember to horizontally/vertically orient the profile as to ensure that the leg overlap is equally high. The closed side must be installed so it faces up.



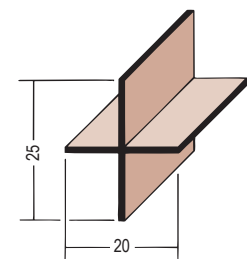
Item number	Material	Length	Order number	Package/ Large pack
1116	Galvanised steel	200	100001	15 STB / 48 BUN

Dummy joint profile screed PVC

Screed dummy joint profile for screed for creating clean and straight dummy joints.

- Function:
- dummy joint
 - clean surface finish
 - straight joint run

Height (b): 25 mm
Processing instructions: Installation takes place while the screed is being laid. When pushing in the profile, remember to horizontally/vertically orient the profile to ensure that the leg overlap is equally high. The higher leg must be installed vertically.



Item number	Material	Length	Order number	Package/ Large pack
3914	PVC-U	250	102563	40 STB / 24 KAR

JOINT PROFILES

Dummy joint profile screed PVC

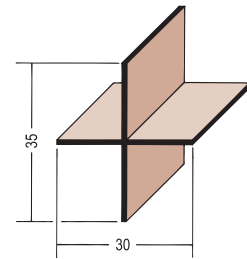
Screed dummy joint profile for screed for creating clean and straight dummy joints.

Function:

- dummy joint
- clean surface finish
- straight joint run

Height (b): 35 mm

Processing instructions: Installation takes place while the screed is being laid. When pushing in the profile, remember to horizontally/vertically orient the profile to ensure that the leg overlap is equally high. The higher leg must be installed vertically.



Item number	Material	Length	Order number	Package/ Large pack
3915	PVC-U	250	102571	40 STB / 20 KAR

Dummy joint profile screed/concrete PVC

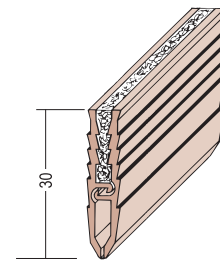
Dummy joint profile for concrete floors and screed for creating clean and straight joint profiles. This profile, made of PVC and a neoprene insert with pre-stress, is resistant against most media, such as oils, fats, etc.

Function:

- dummy joint
- joint sealant
- straight joint run

Height (b): 30 mm

Processing instructions: Installation while conducting concrete work or screed installation:
Set the profile into the fresh concrete or screed and level to the desired height.
Installation in the trimmed joint for creating a sealed joint through pre-stress:
The profile is to be pressed into the trimmed joint. The pre-stress of the profile allows for the joint to be sealed. The joint cut should be approx. 6-7 mm wide and approx. 32 mm deep.



Item number	Material	Length	Order number	Package/ Large pack
3917	PVC-U + Cellular rubber	250	102583	40 STB / 24 KAR

Movement joint profile PVC

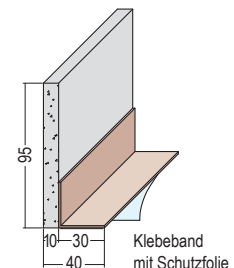
Movement joint profiles with asymmetric shapes for creating clean and decoupled connections to other construction components.

Function:

- asymmetric movement joint profile, for simple as well as double installation
- clean connections to other construction elements offered by the asymmetric shape
- universal applications for various screed heights
- secure de-coupling
- simple installation

Height (b): 95 mm

Processing instructions: The movement joint profile is characterised by its asymmetric shape. The 95-mm-high PE strip is elastic yet retains its shape relatively well. This allows for the universal application of just a single movement joint profile for various screed heights. This reduces the need for warehousing. Double installation is also possible with the asymmetric movement joint profile, ensuring greater screed movement absorption. The asymmetric shape provides for clean and decoupled connections to other construction elements.



Item number	Material	Length	Order number	Package/ Large pack
3929	Hard PVC + PE strips	250	110945	12 STB / 12 KAR

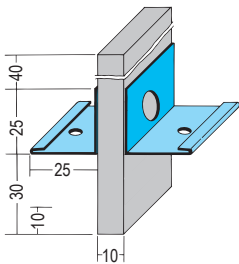
Movement joint profile

Movement joint profiles for creating movement joints using shear force dowel fastening.

- Function:
- movement joints
 - especially well-suited for floating screed
 - straight joint run
 - clean surface finishes
 - shear force dowel fastening
 - height offset

Processing instructions: Installation takes place before the screed is laid. The profile is laid in accordance with the prescribed joint plan and may be sealed using the adhesive tape. The dowels are installed horizontally, at a right angle in relation to the joint. The distance between the dowels is approx. 30 cm. Once the screed has dried, cut off the protruding foam material strips flush along the screed surface (see installation example, similar to 3916).

Notes:
54 screed dowels nr. 3940 are enclosed in the packaging.



Item number	Material	Length	Order number	Package/ Large pack
3923	Galvanised steel + PE foam	250	102604	6 STB / 25 KAR

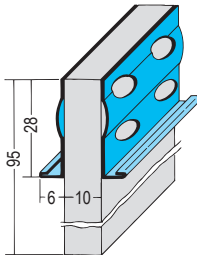
Movement joint profile

Movement joint profiles in screed for creating movement joints using shear force dowel fastening.

- Function:
- movement joints
 - especially well-suited for floating screed
 - straight joint run
 - clean surface finishes
 - shear force dowel fastening
 - height offset

Processing instructions: Installation takes place before the screed is laid. Place profile in line with the prescribed joint plan. Install the dowels horizontally at a right angle in relation to the joint at a distance of 30 cm (see installation example)

Notes:
90 screed dowels nr. 3940 are enclosed in the packaging.

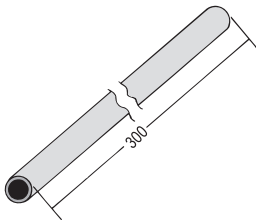


Item number	Material	Length	Order number	Package/ Large pack
3916	Galvanised steel + PE foam	250	102576	10 STB / 20 KAR

Screed peg PVC

Screed dowels provide shear force dowel fastening in screed and reduce possible height offset.

Notes:
Screed dowels are also delivered from the factory in the corresponding amounts for movement joint profiles no. 3916 and 3923.



Item number	Material	Length	Order number	Package/ Large pack
3940	Galvanised steel, with PVC coating	30	102636	100 ST / 40 KAR

CONCRETE/SCREED JOINT PROFILES

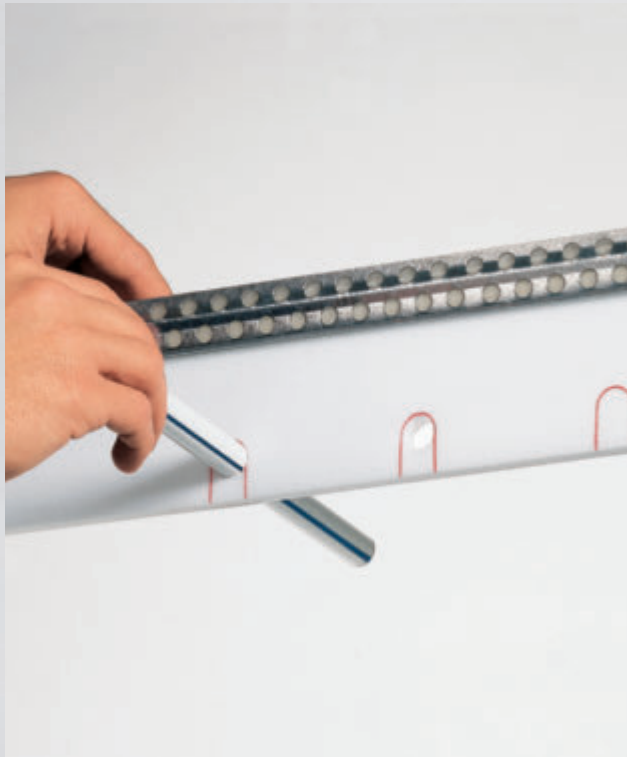
PROCESSING EXAMPLE FOR MOVEMENT JOINT PROFILE 3916



Trim the PE foam strip along the lower edge to the required height, according to the screed thickness. Mark and cut using an all-purpose blade.



Mark the openings for the heating pipes exactly. When the profile is used between door frames, cut it to length so that it can be easily clamped between the edge strips.



Exact pipe openings can be produced by puncturing the foam strip with a piece of pipe. Then cut through the foam strip with a straight cut downwards.



Place over the installed heating pipes and fix using dabs of mortar. Insert the plugs approx. 30 cm apart directly below the metal rail.

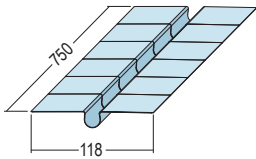
HEAT CONDUCTION PLATE

Heat conduction plate

Heat conducting panels for ensuring even and effective floor warming.

Product width: 118 mm
Processing instructions: Place the heat conducting panels in the system panel and install the heating pipes in the grooves. Ideally suited for dry screed, cement screed and floating screed.

Item number	Material	Length	Order number	Package/ Large pack
50414	Galvanised steel	75	110787	50 ST / 27 KAR
50914	Aluminium	75	116049	50 ST / 27 KAR

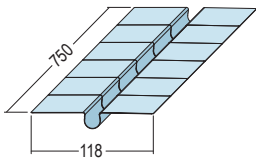


Heat conduction plate

Heat conducting panels for ensuring even and effective floor warming.

Product width: 120 mm
Processing instructions: Place the heat conducting panels in the system panel and install the heating pipes in the grooves. Ideally suited for dry screed, cement screed and floating screed.

Item number	Material	Length	Order number	Package/ Large pack
50416	Galvanised steel	75	115774	48 ST / 27 KAR
50916	Aluminium	75	115773	48 ST / 27 KAR





SAFETY AT EVERY STEP



Staircases always pose some risk for accidents. The proper precautions must be taken, especially in public buildings. The PROTEKTOR stair corner profile is ideally suited for guaranteeing safety while offering visually attractive accents and a modern design. The anti-slip profiling on top of the profile reduces the risk of slipping when using the stairs. At the same time, the profile also protects delicate stair edges against damage and increased wear. It is also well suited for use when conducting repair work.

Tests:

- ▶ Verification of slip resistance in accordance with DIN 51130 and data sheet BGR 181. Test results: R 10
- ▶ Verification of the displacement volume in accordance with DIN 51130 and data sheet BGR 181. Evaluation group for the displacement space: V 8

Application:

- ▶ Pre-fabricated stair components
- ▶ New stair constructions (in-situ concrete)
- ▶ Repair rails
- ▶ For interior and exterior areas (V2A, 1.4301)

PROTEKTOR TREPPENKANTEN-PROFIL
SICHERHEIT AUF SCHRITT UND TRITT

Treppen bergen stets eine gewisse Unfallgefahr. Gerade in öffentlichen Gebäuden gilt es, hier entsprechende Vorkehrungen zu treffen. Das PROTEKTOR Treppenkanten-Profil kommt dann zum Einsatz, wenn es darum geht, Sicherheit bei einem sprichwörtlichen Akzent und widerstands Designer zu verbinden. Durch seine charakteristische Gitterstrukturprofilierung verringert es das Rutschgefahr beim Betreten der Stufen. Im gleichen Zug wird die empfindliche Treppenkante vor Beschädigung und verschleißde-ruktion geschützt. Das Profil kann ebenso im Falle einer Reparatur verwendet werden.

Einsatz:

- Treppen-Fertigteillbau
- Treppen-Neubau (Ortbeton)
- Reparaturschiene
- Für den Innen- und Außenbereich (V2A, 1.4301)

Prüfungen:

- Prüfung der Rutschhemmung gemäß DIN 51130 und Merkblatt BGR 181. Ergebnis der Prüfung: R 10
- Bestimmung des Verdrängungsraumes gemäß DIN 51130 und Merkblatt BGR 181. Bewertungsgruppe für den Verdrängungsraum: V 8

Art	Material	Stärke	Abstand	Profilhöhe
1000	1000	2000	100	20
1000	1000	1000	100	20
1000	1000	1000	100	20

PROTEKTOR
Fertigteilebau GmbH & Co. KG
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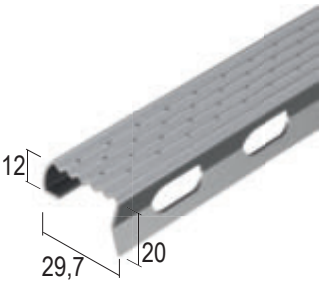


STAIR CORNER PROFILE

Step corner profile Stainless steel

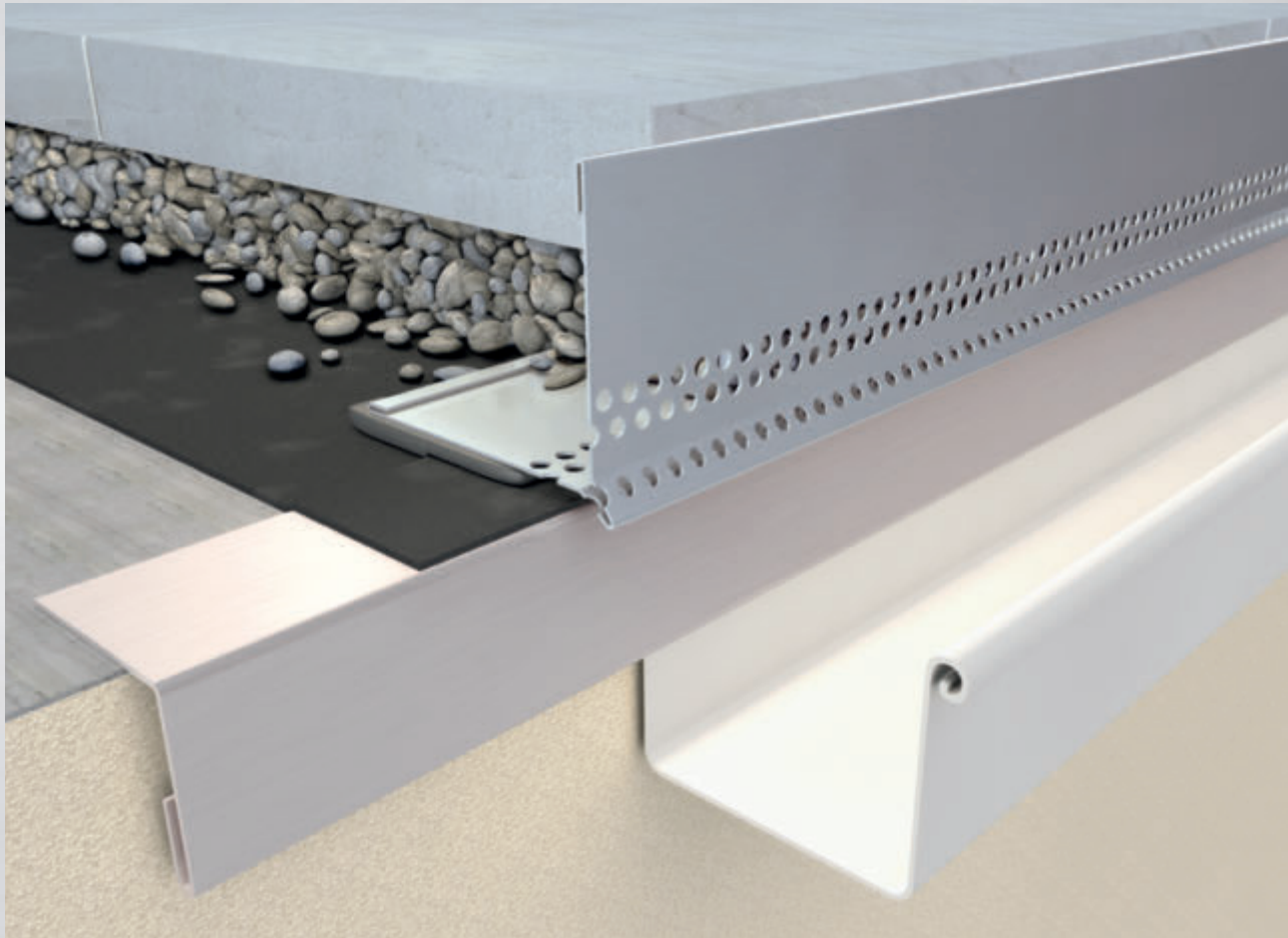
Stainless steel stair strips with a matt surface and non-slip protection,

Notes:
Specially developed for schools and kindergartens. Satisfies the german guidelines and requirements of the statutory accident prevention regulations. See technical information.

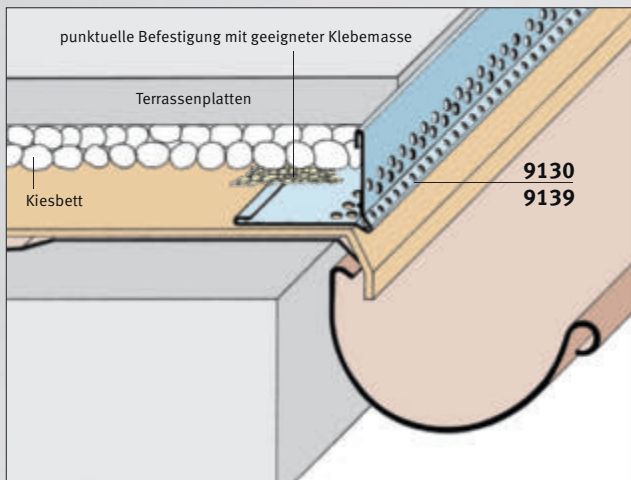


Item number	Plaster thickness (mm)	Length	Order number	Material	Package/ Large pack
2000		100	101133	Stainless steel	25 STB / 56 KAR
		110	105691	Stainless steel	25 STB / 56 KAR
		120	101138	Stainless steel	25 STB / 56 KAR
		130	101140	Stainless steel	25 STB / 28 KAR
		150	101142	Stainless steel	25 STB / 28 KAR
2001		500	101146	Stainless steel	12 STB / 80 BUN

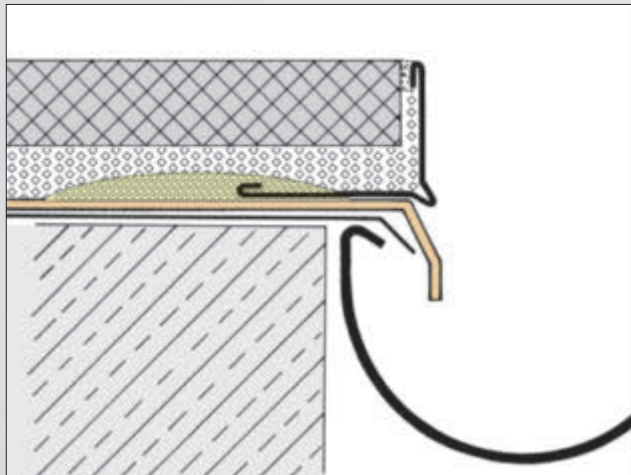
SPECIAL PROFILE
GRAVEL TRAP STRIP



INSTRUCTIONS FOR APPLICATION



The gravel trap strip is ideally suited for loosely laid large balcony and terrace plates. Use suitable adhesive cement for securing gravel trap strip point by point. A suitable, load-bearing surface and superstructure must be installed as a substrate for the balcony and terrace plates. Suitable gravel/grit is to be appropriately compressed. The gravel trap strip is not to be strained by loads or movement caused by the balcony and terrace plates.



Our product flyer “Gravel trap strips” can be found at www.protektor.de

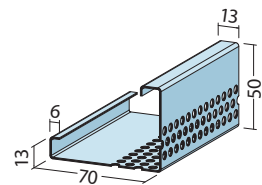


GRAVEL TRAP STRIP

Gravel trap Alu

Water-permeable gravel trap strips with a drip edge,
available for heights of 50 and 70 mm.

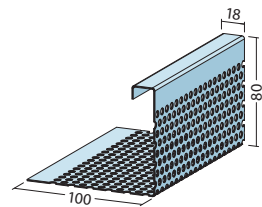
Item number	Material	Length	Order number	Package/ Large pack
9361	Aluminum natural	250	112154	10 STB / 20 BUN



Gravel trap Alu

Water-permeable gravel trap strips with a dripping edge,
available for heights of 80 and 100 mm.

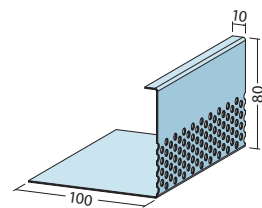
Item number	Material	Length	Order number	Package/ Large pack
9424	Aluminum natural	250	111785	10 STB / 24 BUN



Gravel trap Alu

Water-permeable gravel strip with a dripping edge,
available in heights of 80 mm.

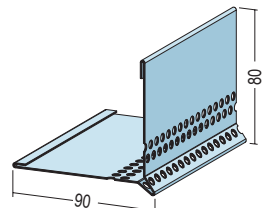
Item number	Material	Length	Order number	Package/ Large pack
9423	Aluminum natural	250	106684	10 STB / 30 BUN



Gravel trap Alu

Water-permeable gravel trap strips with a drip edge,
available for heights of 80 and 90 mm.

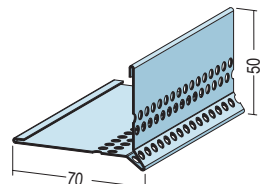
Item number	Material	Length	Order number	Package/ Large pack
9130	Aluminum natural	250	105761	10 STB / 30 BUN



Gravel trap Alu

Water-permeable gravel trap strips with a drip edge,
available for heights of 50 and 70 mm.

Item number	Material	Length	Order number	Package/ Large pack
9139	Aluminum natural	250	104199	10 STB / 49 BUN



GRAVEL TRAP STRIP

Edge stop profile Alu

Edge stop profile 100 x 120 mm

Item number	Material	Length	Order number	Package/ Large pack
9421	Aluminum natural	250	103846	6 STB / 20 BUN

