

## External corners profiles **Cerfix<sup>®</sup> Proangle Q**

### Description

PROANGLE Q is a universal range of profiles which is especially suited to sealing and protecting external corners in ceramic coverings; its square shape creates a clear, crisp line around the coverings and hides the unsightly and delicate 45-degree cut in the tiles.

It is also ideal in applications to seal and protect floors and the edges of stairs laid with a variety of materials: wood, stone and resin; it can also be used to finish work surfaces and platforms.

PROANGLE Q, in stainless steel, polished or brushed, is extremely resistant to chemical and atmospheric agents.

The AISI 316 DIN 1.4404 V4A quality offers superior resistance to corrosion and is therefore recommended for applications in areas subject to greater chemical stress (in swimming pools or food processing plants, for example) and in coastal locations.

PROANGLE Q in polished brush has a modern design with a classic finish that will sit well with other accessories in the space, such as handles, taps, etc. made of the same materials and with the same finishes.

The chrome-plated brass version stands out for its statement shine and is the number one choice for rooms in which every fitting has been chosen to create a sophisticated effect.

PROANGLE Q in aluminium, available in a wide range of decorative effects and finishes, is also used as a listello tile trim or to match profiles in the PROLIST range, which come in the same finishes; together they create visually-appealing and sophisticated contrasts and combinations.

Polished and coated aluminium are not recommended for use on floors.

Chrome-plated brass models are not advised for floor installation or on surfaces subject to heavy foot traffic.

Special components are available to create internal/external angles and end pieces, to create an overall harmonious, linear effect.

Anodized titanium aluminium models are not recommended for use in exterior environments.

### Materials

#### Anodized aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).

The profiles are made by extrusion then anodized with a  $\geq 15 \mu\text{m}$  thick layer.

The outer surface must be protected from scratches and rubbing. They present a strong resistance to chemical and atmospheric agents. When wet, concrete and its derivatives produce alkaline substances which can corrode metal (forming aluminium hydroxide) when allowed to react with the surface. For this reason, the visible surface of the profile must be quickly and delicately cleaned to remove any concrete, adhesive or grouting substances and detergents.

Anodized surfaces can become ruined through wear and foot traffic (profiles used on floors) and the original finish lost as a result.

#### Polished aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6463 T6).

The profiles are extruded then treated and machined. Relatively good resistance to chemical and atmospheric agents is guaranteed. When wet, concrete and its derivatives produce alkaline substances which can corrode metal (forming aluminium hydroxide) when allowed to react with the surface. For this reason, the visible surface of the profile must be quickly cleaned to remove any concrete, adhesive or grouting substances and detergents. Do not use polished aluminium profiles on floors and outdoors.

#### **Coated aluminium**

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).

The profiles are extruded and then coated. They present a relatively good resistance to chemical and atmospheric agents but not to mechanical stress which damages the surface coating. This means they are not recommended for floor use. Concrete, adhesive, grouting materials and detergents must be immediately removed from the visible surface of the profile.

#### **Anti-bacterial coated aluminium**

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).

The profiles are extruded and then coated with special anti-bacterial technology. The surface reduces the most hazardous bacteria by up to 99%. This technology has been tested to the most stringent standards under international standard JID Z 2810:2000. They also present a relatively good resistance to chemical and atmospheric agents but not to mechanical stress which damages the surface coating. This means they are not recommended for floor use. Concrete, adhesive, grouting materials and detergents must be immediately removed from the visible surface of the profile.

#### **Stainless steel**

AISI 304 - DIN 1.4301

Especially resistant to the main chemical and atmospheric agents, to lime, mortar, tile adhesives and cleaning products.

Also recommended for use in food industries, hospitals, external environments in general, etc.

#### **AISI 316 – DIN 1.4404**

Especially resistant to the main chemical and atmospheric agents, to lime, mortar, tile adhesives and cleaning products. Moreover, they resist chlorine and salt well. They are especially suited for use in extreme environments.

#### **Polished brass**

Alloy CW624N UNI EN 12167

The profiles are extruded then polished mechanically. The outer surface must be protected from scratches and rubbing.

Resistance to chemical agents and mechanical stress is good. Parts of the brass in contact with the air are subject to oxidation, producing a film on the surface. In the presence of extreme humidity or corrosive agents, brass will oxidise quickly and marks may appear on the surface. Where necessary, it can be restored to its natural state with abrasives or special polishes.

#### **Chrome-plated brass**

Alloy CW624N UNI EN 12167

The profiles are extruded and then chrome-plated. Resistant to UV, chemical and atmospheric agents. Do not use chrome-plated profiles in areas subject to intense foot traffic.

#### **Rigid PVC**

Rigid PVC compound, lead-free, shock-proof, self-extinguishing. Stabilised, eco-compatible, based on Ca-Zn salts.

#### **PVC Co-extruded PVC Rigid/Plasticised**

Rigid PVC compound, lead-free, shock-proof, self-extinguishing. Stabilised, eco-compatible, based on Ca-Zn salts.

Plasticised PVC compound, lead-free, self-extinguishing. Stabilised, eco-compatible, based on Ca-Zn salts.

#### **General note on metals**

Aluminium and stainless steel are not resistant to all chemical compounds. Consequently, contact with particularly aggressive products like hydrochloric acid (HCl) and phosphoric acid (H3P04) should be avoided.

Products generally used to clean stone, ceramic and porcelain tiles, such as muriatic acid, ammonia and bleach, damage the surface finish on the metal and can cause intense corrosion. Moreover, any residues of concrete, adhesive, and grouting materials must always be removed from the surface of the profiles as quickly and delicately as possible.

If adhesive tape is used to cover the profile, it must not be left any longer than an hour.

## **Fixing**

#### **Fixing with adhesive**

Remove the profile from the packaging.

Check that the thickness of the covering/flooring to be laid is not greater than the dimension of the profile (see label).

Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.

Measure the length required and cut the profile to this length using an appropriate tool.

Level the adhesive on the laying surface using a toothed spreader.  
Place the profile in position and level it with the covering laid previously.  
Lay the covering delicately, making sure it is flush with the profile and leaving the right space for a grout line (usually 1-2mm).  
Fill any gaps left between the covering and the profile with a suitable grout.  
Remove any excess grout, adhesive, solvents etc. with a soft sponge and water within ten minutes of application.

## Care and maintenance

Care and maintenance procedures for the materials used to make these profiles depends largely on the type of alloy and/or finish used. The instructions provided below describe the operations to be performed on the profile to restore it as much as possible to its original condition. The purpose of this document is to provide as many general indications as possible to guide you on when and how to clean the product, but they should also be verified on a case-by-case basis. It should be pointed out there are specific responsibilities in each part of the product's life cycle, starting from when it is installed the first time.

### Aluminium

No special maintenance is required and aluminium products can be easily treated with colourless alcohol in a water solution or using ordinary detergents, provided they do not contain acid (hydrochloric or hydrofluoric). Detergent products made by multiple manufacturers and sold under a variety of commercial brands can generally be used for cleaning.

Generally speaking, there are three types of products:

- Alkaline
- Neutral
- Acid

For cleaning purposes, we recommend using a neutral detergent diluted in water then rinsing with water only, using a non-abrasive sponge and/or cloth to avoid scratching and/or damaging the anodized surface.

During cleaning, the following aspects must be kept in mind at all times:

- Do not use acid or alkaline detergents because they could damage the aluminium;
- Do not use products and/or abrasive materials;
- Do not use organic solvents on painted surfaces;
- Do not use detergents without first checking their chemical composition;
- Do not apply detergents straight onto the surface to be cleaned;
- Surfaces must be "cold" (max T° = 30°C) during cleaning and not exposed to direct sunlight;
- Detergents used in cleaning must also be "cold" (max T° = 30°C) and steam sprays should not be used.

In any case, the final stage in the cleaning process is always sufficient rinsing of the parts treated with water. They must then be immediately dried using soft fabric or leather cloths. Polishes or similar products are not required.

Clean profiles carefully as soon as required, following the instructions on the product package, to prevent any residues of concrete, grout or similar substances from attacking the surface.

### Stainless steel

Stainless steel surfaces can be polished with suitable, widely available products.

Stainless steel is easy to clean and extremely hygienic; the smooth, non-porous surface makes the adhesion and survival of bacteria and/or other micro-organisms.

To keep stainless steel perfectly maintained, there are just a few simple rules: wash with soap and warm water, rinse well then dry with a soft cloth. For surfaces exposed to atmospheric agents and attack, we recommend cleaning the stainless steel profile regularly to maintain the surface unaltered and prevent corrosion.

Surfaces with a brushed finish should always be cleaned in the direction of the brushing and not at an angle to it.

In the event of scratches, use a detergent/polish made specifically for stainless steel, and a soft cloth.

For cleaning, do not use any of the following:

- detergents containing hydrochloric acid (also known as muriatic acid), hydrofluoric acid or bleach; avoid direct contact on surfaces with detergents containing chlorides, unless the contact is short and the surface is well-rinsed afterwards.
- abrasive powdered detergents which could damage the surface finish of the profile.

Do not leave mild steel objects or utensils (like brushes or steel wool normally used to remove residues of mortar or similar products) in contact with stainless steel profiles for extended lengths of time. They could transfer iron particles (contamination) and trigger rust on the surface.

Do not leave damp cloths or sponges for extended lengths of time on the stainless steel surface to prevent the formation of unsightly water marks.

**Brass**  
 Brass does not require special maintenance: it can be easily cleaned with alcohol diluted in water or ordinary detergents, provided they are not acid-based. Water can be used with added neutral detergents and the final rinse with water alone. Use non-abrasive sponges or cloths which will not scrape the surface. Use polishes that are commonly available.

**PVC**  
 Does not need any special maintenance; they can be easily treated with colourless alcohol diluted in water or using normal detergents, provided they are not acid or alkaline based and also diluted in water; use only water for the final rinse. Use non-abrasive sponges or cloths which will not scrape the surface.

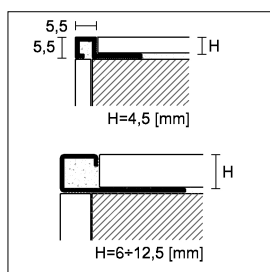
**Fire prevention measures**

In the event of fire, use chemical fire extinguishers, dry sand or solid extinguishing agents.

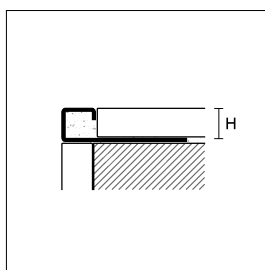
**Notes:**

These profiles must be handled with caution, being careful to wear suitable gloves to prevent injury and/or cuts to the hands. The instructions and specifications provided here are the product of our experience but are only a guide, should not be considered exhaustive and must be confirmed by extensive practical applications. Profilpas declines any responsibility for damage to people or things resulting from improper use of the product. Users must establish for themselves if the product is suitable for the required used and they bear full responsibility for any incorrect installation of the material.

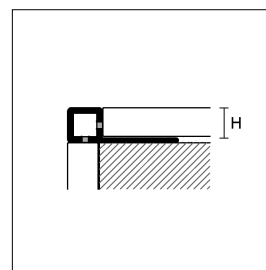
**Proangle Q**



- ZQAN, ZQBN
- ZQTN, ZQBRN
- ZQBSN, ZQTMN
- ZQBRSN,
- ZQAGN, ZQVN,
- ZQVNH
- ZQAND, ZQACD
- ZQAMD, ZQADD



- ZQIN, ZQINS
- ZQINP, ZQINX
- ZQLN, ZQKN



ZQP
















**Proangle Q**
**PROANGLE Q**

length = 270 cm - pack 20 pcs

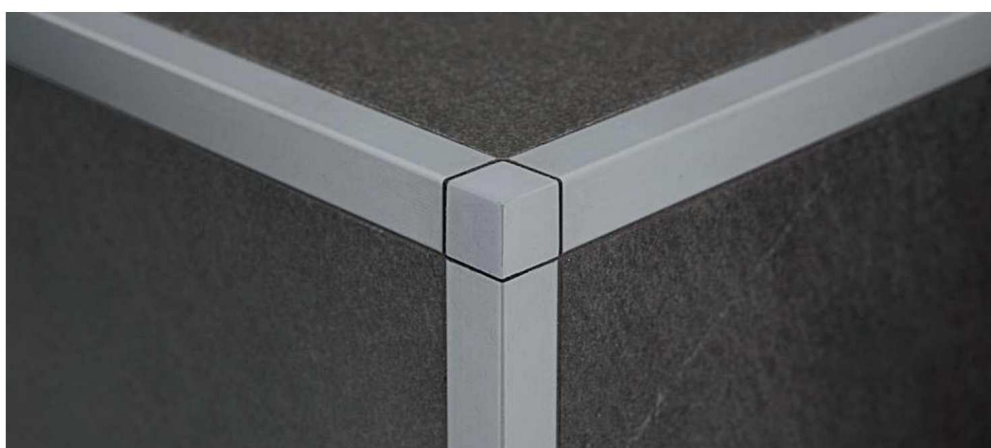
**H**

ART.	finishing		4,5	6	8	9	10	11	12,5
<b>ALUMINIUM</b>									
	silver anodised		88772	88875	88876	88877	88878	88879	88880
<b>ZQAN/</b>	titanium anodised		88902	88903	88904	88905	88906	88907	88908
<b>ZQAN/</b>	black anodised		-	-	89205	-	89206	89207	89208
<b>ZQBN/</b>	bright polished silver		88816	88919	88920	88921	88922	88923	88924
<b>ZQBN/</b>	bright polished gold		88933	-	88935	-	88937	-	88939
<b>ZQTN/</b>	bright polished titanium		88949	88950	88951	88952	88953	88954	88955
<b>ZQBRN/</b>	bright polished copper		-	-	-	-	88969	-	88971
<b>ZQBSN/</b>	bright satin silver		88981	88982	88983	-	88985	88986	88987
	bright satin gold		88997	-	88999	-	89001	-	89003
<b>ZQTMN/</b>	bright satin titanium		89013	89014	89015	-	89017	-	89019
<b>ZQBRSN/</b>	bright satin copper		-	-	89031	-	89033	-	89035
<b>ZQBSN/</b>	bright satin black		-	-	-	-	89209	89210	89211
<b>ZQAGN/</b>	bright scratched silver		89061	-	89063	-	89065	-	89067
<b>COLOUR-COATED ALUMINIUM</b>									
	colour-coated matt white RAL 9003		-	-	89200	-	89202	89203	89204
<b>ZQVN/</b>	colour-coated white RAL 9003		89077	89076	89079	-	89081	89078	89083
<b>ANTIBACTERIAL COLOUR-COATED ALUMINIUM</b>									
<b>ZQVNH/</b>	colour-coated white RAL 9003		-	-	89080	-	89082	-	89084

**Proangle Q**
**PROANGLE Q - OUTSIDE / INSIDE CORNERS / END CAPS**

pack 5 pcs*		H							
ART.	finishing	4,5	6	8	9	10	11	12,5	
<b>ALUMINIUM</b>									
<b>ZQAN/ /EI</b>	silver anodised		88809	88882	88883	88884	88885	88886	88887
	titanium anodised		88910	88911	88912	88913	88914	88915	88916
<b>ZQAN/ /EI</b>	black anodised		-	-	89223	-	89224	89225	89226
<b>ZQBN/ /EI</b>	bright polished silver		88829	88926	88927	88928	88929	88930	88931
	bright polished gold		88941	-	88943	-	88945	-	88947
	colour-coated matt white RAL 9003		-	-	89192	-	89194	89195	89196
<b>ZQVN/ /EI</b>	colour-coated white RAL 9003		89085	89086	89087	-	89089	89088	89091
<b>ZQTN/ /EI</b>	bright polished titanium		88957	88958	88959	88960	88961	88962	88963
<b>ZQBRN/ /EI</b>	bright polished copper		-	-	-	-	88977	-	88979
<b>ZQBSN/ /EI</b>	bright satin silver		88989	88990	88991	-	88993	88994	88995
	bright satin gold		89005	-	89007	-	89009	-	89011
<b>ZQTMN/ /EI</b>	bright satin titanium		89021	89022	89023	-	89025	-	89027
<b>ZQBRSN/ /EI</b>	bright satin copper		-	-	89039	-	89041	-	89043
<b>ZQBSN/ /EI</b>	bright satin black		-	-	-	-	89227	89228	89229
<b>ZQAGN/ /EI</b>	bright scratched silver		89069	-	89071	-	89073	-	89075

no partial packaging


*ZQAN/10 + ZQAN/10/EI silver anodised aluminium*













**Proangle Q**
**PROANGLE Q - TREND COLOR**

length = 270 cm - pack 20 pcs







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ART.	finishing	8	10	11	12,5
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**COLOUR-COATED ALUMINIUM**
**TREND COLOR STONE**

	dark brown		89360	89310	89311	89312
	anthracite grey		89093	89095	89106	89097
	ancient grey		89362	89220	89221	89222
	grey		89363	89290	89291	89292
	rust		89094	89096	89107	89098
	bronze		89365	89300	89301	89302
	stone		89366	89280	89281	89282
	greige		89367	89270	89271	89272
	sand		89368	89260	89261	89262
	beige		89369	89250	89251	89252
<b>ZQVN/</b>	white stone		89370	89320	89321	89322
	black stone		89371	89330	89331	89332

**TREND COLOR CONCRETE**

	concrete white		-	89131	89161	89181
	concrete graphite		-	89132	89162	89182
	concrete smoke		-	89133	89163	89183
	concrete mud		-	89134	89164	89184
	concrete sand		-	89135	89165	89185
	solid white		-	89138	89168	89188

**TREND COLOR METAL**





















	metal dark		-	89136	89166	89186
	metal light		-	89137	89167	89187

individually packed - Other heights with TREND COLOR finishes are available upon request, with a minimum of 540 meters.



## Proangle Q

**PROANGLE Q - TREND COLOR - OUTSIDE / INSIDE CORNERS / END CAPS**

pack 5 pcs*		H				
ART.	finishing	8	10	11	12,5	
<b>COLOUR-COATED ALUMINIUM</b>						
<b>TREND COLOR STONE</b>						
	dark brown		89380	89303	89304	89305
	anthracite grey		89100	89102	89108	89104
	ancient grey		89382	89213	89214	89215
	grey		89383	89283	89284	89285
	rust		89101	89103	89109	89105
	bronze		89385	89293	89294	89295
	stone		89386	89273	89274	89275
	greige		89387	89263	89264	89265
	sand		89388	89253	89254	89255
	beige		89389	89243	89244	89245
ZQVN/ EI	white stone		89390	89340	89341	89342
	black stone		89391	89350	89351	89352
<b>TREND COLOR CONCRETE</b>						
	concrete white		-	89392	89402	89410
	concrete graphite		-	89394	89403	89411
	concrete smoke		-	89395	89404	89412
	concrete mud		-	89396	89405	89413
	concrete sand		-	89397	89406	89414
	solid white		-	89400	89409	89417
<b>TREND COLOR METAL</b>						
	metal dark		-	89398	89407	89415
	metal light		-	89399	89408	89416






no partial packaging



**Proangle Q**

**PROANGLE Q - X DESIGN**






length = 270 cm - pack 20 pcs

		<b>H</b>			
<b>ART.</b>	<b>finishing</b>	<b>8</b>	<b>10</b>	<b>12,5</b>	
<b>ANODISED ALUMINIUM</b>					
	platinum		31110	31112	31114
	titanium		31120	31122	31124
<b>ZOAND/</b>	brown		31130	31132	31134
	dark brown		31140	31142	31144
	carbon		31150	31152	31154

individually packed

**PROANGLE Q - X DESIGN - OUTSIDE / INSIDE CORNERS / END CAPS**

pack 5 pcs





		<b>H</b>			
<b>ART.</b>	<b>finishing</b>	<b>8</b>	<b>10</b>	<b>12,5</b>	
<b>ANODISED ALUMINIUM</b>					
	platinum		31160	31162	31164
	titanium		31170	31172	31174
<b>ZOAND/EI</b>	brown		31180	31182	31184
	dark brown		31190	31192	31194
	carbon		31200	31202	31204

no partial packaging



**Proangle Q**
**PROANGLE Q**








length = 270 cm - pack 20 pcs

ART.	finishing		6	8	9	10	11	12,5	15
<b>STAINLESS STEEL</b>									
<b>ZQIN/</b>	stainless steel AISI 304 - DIN 1.4301		90049	90050	90051	90052	90053	90054	90055
<b>ZQINS/</b>	satin stainless steel AISI 304 - DIN 1.4301		90100	90101	90102	90103	90104	90105	90106
<b>ZQINP/</b>	sandblasted stainless steel AISI 304 - DIN 1.4301		90130	90131	90132	90133	90134	90135	90136
<b>ZQINX/</b>	stainless steel AISI 316 - DIN 1.4404		-	90107	-	90109	-	90111	-

individually packed - ZQIN/15, ZQINS/15 and ZQINP/15 packaging of 10 pcs

**PROANGLE Q - OUTSIDE / INSIDE CORNERS / END CAPS**

pack 5 pcs

ART.	finishing		6	8	9	10	11	12,5	15
<b>STAINLESS STEEL</b>									
<b>ZQIN/ /EI</b>	stainless steel AISI 304 - DIN 1.4301		90064	90065	90066	90067	90068	90069	90070
<b>ZQINS/ /EI</b>	satin stainless steel AISI 304 - DIN 1.4301		90112	90113	90114	90115	90116	90117	90118
<b>ZQINP/ /EI</b>	sandblasted stainless steel AISI 304 - DIN 1.4301		90137	90138	90139	90140	90141	90142	90143
<b>ZQINX/ /EI</b>	stainless steel AISI 316 - DIN 1.4404		-	90119	-	90121	-	90123	-
<b>METAL</b>									
<b>ZQIM/ /EI</b>	polished stainless steel		-	90092	90093	90094	90095	90096	-
<b>ZQIMS/ /EI</b>	satin steel		-	90152	90153	90154	90155	90156	-
<b>ZQIMP/ /EI</b>	sandblasted steel		-	90162	90163	90164	90165	90166	-

no partial packaging for ZQIM/ /EI, ZQIMS/ /EI and ZQIMP/ /EI


**Proangle Q**
**PROANGLE Q**

length = 270 cm - pack 20 pcs

**H**

ART.	finishing		4,5	8	10	11	12,5
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**POLISHED BRASS**

<b>ZQLN/</b>	polished		90022	90056	90057	90063	90058
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**CHROMIUM-PLATED BRASS**

<b>ZQKN/</b>	chromium plated		88870	90059	90060	90074	90061
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individually packed - ZQKN/12,5 packaging of 10 pcs


**PROANGLE Q - OUTSIDE / INSIDE CORNERS / END CAPS**


length = 270 cm - pack 5 pcs

**H**

ART.	finishing		4,5	8	10	11	12,5
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**BRASS**










<b>ZQLN/ /EI</b>	polished		90062	90071	90072	90075	90073
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<b>ZQKN/ /EI</b>	chromium plated		88872	90077	90083	90085	90087
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**Proangle Q**
**PROANGLE Q**

length = 270 cm

**H**

ART.	finishing		6	8	10	12,5
<b>CO-EXTRUDED PVC</b>						
	white		80800	80801	80802	80803
	cream white RAL 9001		80804	80805	80806	80807
	ivory RAL 1015		80808	80809	80810	80811
	beige grey RAL 1019		80812	80813	80814	80815
<b>ZQP/</b>	stone grey RAL 7030		80816	80817	80818	80819
	light grey RAL 7035		80820	80821	80822	80823
	anthracite		80824	80825	80826	80827
	beige bahama		80832	80833	80834	80835
	brown		80836	80837	80838	80839

**pack 20 pcs**
**pack 80 pcs**
**pack 100 pcs**










no partial packaging

to order the pack of 80 and 100 pcs, mark /80 or /100 after the article code (for example, code 80800 becomes 80800/100)

**PROANGLE Q - OUTSIDE / INSIDE CORNERS / END CAPS**

pack 12 pcs\*

**H**

ART.	finishing		6	8	10	12,5
<b>POLYPROPYLENE</b>						
	white		80850	80851	80852	80853
	cream white RAL 9001		80854	80855	80856	80857
	ivory RAL 1015		80858	80859	80860	80861
	beige grey RAL 1019		80862	80863	80864	80865
<b>ZQP/</b>	stone grey RAL 7030		80866	80867	80868	80869
<b>/EI</b>	light grey RAL 7035		80870	80871	80872	80873
	anthracite		80874	80875	80876	80877
	beige bahama		80882	80883	80884	80885
	brown		80886	80887	80888	80889

no partial packaging - pack of 50 pcs Euro