



**New environmentally friendly
ground auxiliary materials
Fast and Reliable**

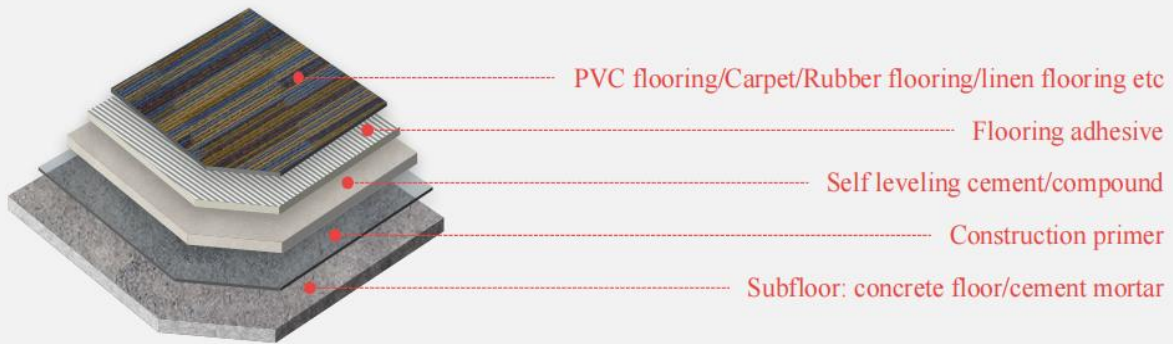
**Construction Primer
Self-leveling Compound
PVC Flooring Adhesive**

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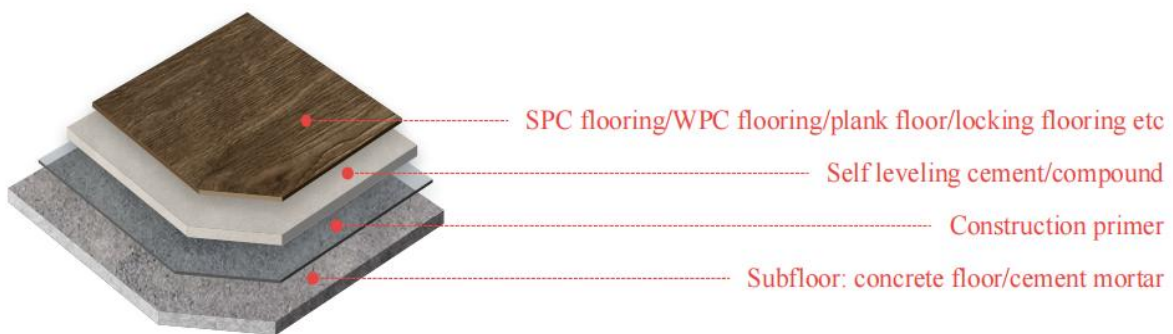
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Application System

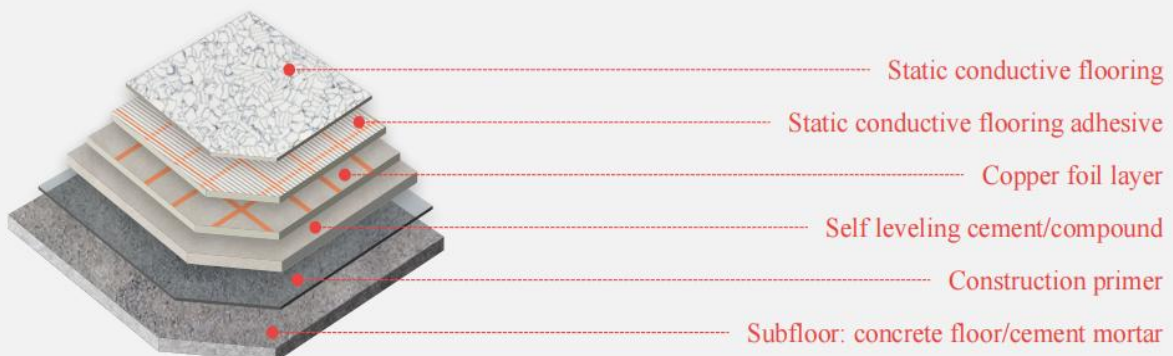
PVC flooring/Carpet paving schematic diagram



SPC flooring paving schematic diagram



Static conductive flooring paving schematic diagram



Floor covering system schematic diagram



Outdoor self leveling cement leveling schematic diagram



Floor covering system schematic diagram



Tile laying system schematic diagram



Construction Primer

Bander construction primer is a synthetic latex, which is a polymer formed by copolymerization of styrene/acrylic ester. It has small particles, tough film, strong adhesion to the substrate, good alkali resistance, and can enhance the adhesion between new and old interfaces. At the same time, it has strong sealing and good weather resistance.

Surface Preparation

- ★ Before construction, the subfloor should be flat, dry, sturdy, free of dust and stains, No hollowing, and No cracking.
- ★ If there are cracks or unevenness in the subfloor(with a drop of more than 2mm within a 2m range), ground repair mortar should be used for repair treatment; If there are protrusions such as gypsum or hard cement blocks on the ground, a professional shovel should be used to remove the protrusions.
- ★ After processing the substrate, use a vacuum cleaner to remove dust and clean it before applying the primer.

Construction Description



1 Add the required amount of water according to the product requirements, and then stir for about 2 minutes until uniform



2 Apply the primer evenly onto the surface of the substrate using a wool drum (brush)



3 Wait for 10-20 minutes to confirm that the primer is dry before proceeding to the next step

Scope Of Application

- ★ Absorbent substrate: Concrete, cement mortar, gypsum board, calcium silicate board, etc.
- ★ Non-absorbent substrate: Ceramic tiles, marble, terrazzo, epoxy flooring, diamond sand(Non absorbent substrate needs to be sanded before applying interface agent).

Tips

1. Use a thermometer and hygrometer to detect temperature and humidity. The indoor ambient temperature should be greater than 10℃. It is strictly prohibited to carry out construction below 5℃ and above 35℃. The relative humidity should not exceed 75%. Use a moisture content tester to measure the moisture content of the substrate, which should not exceed 8%. Best film-forming conditions is temperature of 20-25℃, air humidity below 75%. The temperature and humidity of the construction site environment will affect the film-forming time of primer.
2. When the substrate is made of concrete or cement mortar, its strength should not be less than 20MPa. Otherwise, suitable self leveling should be used to strengthen the strength or water-based reinforcement primer should be selected for reinforcement. The tensile bonding strength of the substrate should not be less than 1.0MPa.
3. The shelf life is 12 months. Unopened primer should be stored in a cool, dry place, not suitable for storage in direct sunlight. Unused interface agents that have been opened should be stored in their original packaging and sealed, and should be used as soon as possible.
4. Residual products cannot be directly discharged and should be treated as special waste. Empty containers can be recycled and reused.
5. The product does not contain solvents, is non flammable, and does not require special protection for normal use. If accidentally splashed into the eyes, please rinse immediately with plenty of water for at least 15 minutes. In severe cases, seek medical attention.
6. PH value is more than 7.0.
7. If the substrate situation is poor, it is recommended to apply the primer multiple times or use a stronger primer.

Product Data

Picture	Produce Name	Weight / Barrel	Solid Content	Amount Of Water (Primer : water)	Liquid Color	Theoretical Dosage	Scope Of Application
	Bander HL600 absorbent concentrated primer	5kgs	49 ± 1%	1:4	White	≥100sqm	Absorbent substrate
	Bander HL 600 absorbent primer	20kgs	16 ± 1%	If need, can 1:1 add water	White	≥100sqm	Absorbent substrate
	Bander HL610 Multifunction concentrated primer	5kgs	50 ± 1%	1:4	Blue	≥100sqm	Absorbent substrate, nonabsorbent substrate
	Bander HL610 Multifunction primer	20kgs	16 ± 1%	Absorbent substrate can 1: 1 add water; nonabsorbent substrate no need to add water	Blue	≥100sqm	Absorbent substrate, nonabsorbent substrate
	Bander S710 Polymer Resin Reinforcement Primer Agent	20kgs	19 ± 1%	No need to add water	White	30-60sqm	Absorbent substrate
	Bander HL820 High Strength Nano Interface Agent	20kgs	16 ± 1%	No need to add water	White	80-100sqm	Absorbent substrate, nonabsorbent substrate

Self Leveling Cement/Compound

Bander self leveling cement contains high-quality synthetic resin, special cement, and special additives. After mixing with water, it forms a smooth and easy to level flowing slurry. After overall solidification, it forms a dense, non-porous, smooth and flat surface. Self leveling is used to level the ground, and after drying, other decorative materials such as flooring, carpets, floor paint, etc. can be laid on the self leveling surface.

Construction Description



Before construction, the floor should be flat, dry, sturdy, free of dust and stains, No hollowing, and No cracking. If there are cracks or unevenness in the substrate (with a drop of more than 2mm within a 2m range), ground repair mortar should be used for repair treatment; If there are protrusions such as gypsum or hard cement blocks on the ground, a professional shovel should be used to remove the protrusions.



Using Bander primer to seal the substrate, different primer are selected according to the different absorbency of the ground. The use of primer can prevent the formation of bubbles in mortar, maintain the fluidity of mortar, and enhance the bonding effect between self leveling and the base surface. Please refer to the instructions for the primer for specific usage methods.



It is recommended to use a variable speed mixing gun and a mixing head with a diameter of 10mm to ensure maximum shear effect during mixing, reducing the mixing of air and heat generation. Slowly add self leveling cement into a clean container filled with weighed water, while stirring slowly. After mixing for 1 minute, use a tool to scrape the self leveling residue along the edge of the container. Stir for at least 3 minutes until uniform without any lumps Block.



Pour the mixed Bander self leveling slurry onto the treated substrate, and then spread it flat with a long handled scraper or spatula. The slurry can flow and self level within 20 minutes.



When walking in self leveling mortar, it is necessary to wear spiked shoes and use defoaming rollers to cross roll on the self leveling surface for defoaming treatment.



Avoid wind, sunlight, and pollution within 24 hours after the completion of floor construction.

Tips

1. The optimal construction conditions are a temperature of 15-30 °C, ground moisture content <4%, and air humidity below 75%. The substrate temperature during construction should be greater than 10 °C. The minimum construction temperature shall not be lower than 5 °C within 24 hours, and the maximum moisture content of the base surface shall be less than 8%.
2. The temperature and humidity of the construction environment can affect the drying time of self leveling. It is not recommended to carry out construction when the temperature is too low or too high, as this may cause problems with self leveling.
3. When the substrate is made of concrete or cement mortar, its strength should not be less than 20MPa. Otherwise, suitable self leveling should be used to strengthen the strength or water-based reinforcement primer should be selected for reinforcement. The tensile bonding strength of the substrate should not be less than 1.0MPa.
4. In dry conditions, unopened self leveling cement can be stored for about 6 months. After being transported to the construction site, it needs to be used as soon as possible. Unused items should be protected from damage and moisture. Self leveling cement should be stored in a dry, ventilated, and dark environment, avoiding direct sunlight and humid conditions to prevent their quality and performance from being affected.
5. Water should not be added excessively to avoid reducing strength and forming surface floating slurry. The amount of water added to the product may vary due to differences in the environment, construction site conditions, and mixing machinery. We strongly recommend conducting a flowability test before each construction to determine whether it is necessary to adjust the amount of water added.
6. Wear dust masks during construction, and immediately rinse with clean water if powder splashes into the eyes. Avoid prolonged skin contact with powder. Empty packaging shall be disposed of in accordance with local regulations.
7. Do not use on asphalt and wooden surfaces.
8. Do not apply self leveling before the primer is fully cured or dried.
9. Be sure to pour water into the container first, then slowly add self leveling while stirring.



Workshop



Warehouse

Product Data

Bander TT61 Commercial Underlayer Self-leveling Compound



Construction thickness:	2-5mm	Mixing water ratio:	5.5-6.0L/Bag
Color:	gray	Shelf life:	6 months
Theoretical dosage:	1.6kgs/m ² /mm	Liquidity:	≥130mm
24h flexural strength:	≥2.0/MPa	24h compressive strength:	≥6.0/MPa
28d flexural strength:	≥6.0/MPa	28d compressive strength:	≥25.0/MPa
Tensile bonding strength:	≥1.0/MPa	Weight:	25kgs/bag
Available walk time:	after 6h	Time for laying decorative materials:	after 48h
Scope Of application:	1. Indoor use only; 2. Used for leveling of the ground before laying flooring materials.		

Bander TT61S Commercial High Strength Self Leveling Compound

Construction thickness:	2-8mm	Mixing water ratio:	6.3-6.7L/Bag
Color:	gray	Shelf life:	6 months
Theoretical dosage:	1.55kgs/m ² /mm	Liquidity:	≥130mm
24h flexural strength:	≥2.0/MPa	24h compressive strength:	≥6.0/MPa
28d flexural strength:	≥4.0/MPa	28d compressive strength:	≥25.0/MPa
Tensile bonding strength:	≥1.0/MPa	Weight:	24kgs/bag
Available walk time:	after 6h	Time for laying decorative materials:	after 48h
Scope Of application:	1. Indoor use only; 2. Used for leveling of the ground before laying flooring materials.		



Bander TT61H Commercial Thick Layer Self Leveling Cement



Construction thickness:	5-20mm	Mixing water ratio:	5.2L/Bag
Color:	gray	Shelf life:	6 months
Theoretical dosage:	1.7kgs/m ² /mm	Liquidity:	≥ 130mm
24h flexural strength:	≥ 2.0/MPa	24h compressive strength:	≥ 6.0/MPa
28d flexural strength:	≥ 6.0/MPa	28d compressive strength:	≥ 25.0/MPa
Tensile bonding strength:	≥ 1.0/MPa	Weight:	25kgs/bag
Available walk time:	after 6h	Time for laying decorative materials:	after 72h
Scope Of application:	1. Indoor use only; 2. Used for leveling of the ground before laying flooring materials. 3. Suitable for leveling high load floors in parking lots, garages, warehouses, factories, etc.		

Bander TT68 High Strength Wear-resistant Self-leveling

Construction thickness:	3-8mm	Mixing water ratio:	4.5-4.8L/Bag
Color:	gray	Shelf life:	6 months
Theoretical dosage:	1.7kgs/m ² /mm	Liquidity:	≥ 130mm
24h flexural strength:	≥ 2.0/MPa	24h compressive strength:	≥ 6.0/MPa
28d flexural strength:	≥ 6.0/MPa	28d compressive strength:	≥ 30.0/MPa
Tensile bonding strength:	≥ 1.0/MPa	Weight:	25kgs/bag
Available walk time:	after 6h	Time for laying decorative materials:	after 72h
Scope Of application:	1. Indoor use only; 2. Used for leveling of the ground before laying flooring materials. 3. Suitable for leveling high load floors in parking lots, garages, warehouses, factories, etc.		



TS82 High Performance Self Leveling Compound Dual Combination Type



Construction thickness:	3-10mm	Mixing ratio (powder : liquid) :	20kg : 4.8L
Color:	gray	Shelf life:	6 months
Theoretical dosage:	1.7kgs/m ² /mm	Liquidity:	≥130mm
24h flexural strength:	≥2.0/MPa	24h compressive strength:	≥6.0/MPa
28d flexural strength:	≥6.0/MPa	28d compressive strength:	≥20.0/MPa
Tensile bonding strength:	≥1.5/MPa	Weight:	Group A: 20KGS powder Group B: 4.8L liquid
Available walk time:	after 6h	Time for laying decorative materials:	after 72h
Scope Of application:	1. Indoor and outdoor use; 2. Used for leveling of the ground before laying flooring materials. 3. Indoor and outdoor sports ground leveling Micro deformation base leveling of steel plate and PVC sheet Ceramic tile base surface, directly coated with self leveling		



PVC Flooring/Carpet Adhesive

Bander flooring adhesive is a dispersed water-based adhesive containing acrylic copolymer components. It is solvent-free, environmentally friendly, and resistant to plasticizers. It has good adhesion and a large coating area, and can be used to stick various types of floor decoration materials such as PVC flooring and carpets.

Construction Description



1

Before coating the adhesive, the substrate should be flat, dry, sturdy, free of dust and stains, No hollowing, and No cracking.



2

If the adhesive remains in a static state for a long time, it may precipitate. Please stir evenly before use, and then apply a suitable scraper evenly to the surface of the substrate (A2 scraper is recommended).



3

After the adhesive construction is completed, the drying time is about 15-20 minutes, and the adhesive changes from milky white to transparent (brushed) state. If there is obvious stickiness when touched by hand, the flooring can be laid.

4

Laying the flooring.

Scope Of Application

- * Absorbent substrate: self leveling surface, gypsum board, calcium silicate board, etc.
- * Non absorbent substrates: ceramic tiles, marble, terrazzo, diamond sand, etc (Non absorbent substrates need to be sanded before applying adhesive to obtain a rough surface).

Tips

1. Use a thermometer and hygrometer to detect temperature and humidity. The indoor ambient temperature should be greater than 10 °C. It is strictly prohibited to carry out construction below 5°C and above 35°C. The relative humidity should not exceed 75%. Best film-forming conditions is temperature of 15-30°C, air humidity below 75%. The temperature and humidity of the construction site environment will affect the drying time of adhesive.
2. This flooring adhesive can be stored for 12 months in its original packaging when the air humidity is below 75% at (20 ± 5) °C. The opened packaging should be tightly sealed and stored as soon as possible use.
3. The product does not contain solvents, is non flammable, and does not require special protection for normal use. If accidentally splashed into the eyes, please rinse immediately with plenty of water for at least 15 minutes. In severe cases, seek medical attention.
4. PH value is 7±1.
5. Before construction, the subfloor should be flat, dry, sturdy, free of dust and stains, No hollowing, and No cracking.
6. Residual products cannot be directly discharged, empty containers can be recycled and reused.
7. When laying the floor, use a soft wooden board to roll and exhaust to prevent air from being sucked into the floor and causing hollowing. Within 20 minutes after the construction is completed, use a floor roller weighing more than 50kg to roll the floor again to ensure that the glue is completely tightly bonded to the floor and base layer.
8. If the adhesive is left for too long, it may precipitate. Please stir it evenly before use.

Product Data

Bander 300 PVC Flooring Adhesive



Main ingredients:	acrylic ester copolymer
Weight:	20kgs/barrel, 10kgs/barrel, 5kgs/barrel
Coating weight:	7-9sqm/kg
Construction ready state:	from milky white to transparent
Airing adhesive time:	about 20 minute
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	<ol style="list-style-type: none"> 1. Suitable for various types of PVC sheet flooring, PVC coil flooring below 2.0mm , and carpet. 2. Not recommended to use for fiber bottoms and non homogeneous transparent PVC roll flooring 3. Only applicable to absorbent substrates

Bander 380 PVC Floor Adhesive

Main ingredients:	acrylic ester copolymer
Weight:	12kgs/barrel, 25kgs/barrel
Coating weight:	3sqm/kg
Construction ready state:	touch with your fingers to have a brushed state
Airing adhesive time:	about 20 minute
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	<ol style="list-style-type: none"> 1. Suitable for pasting various composite types (such as foam base and fiber base) and homogeneous transparent core PVC roll flooring, sheet flooring, and carpet, fully carpet. 2. Suitable for heating floor.



Bander 380A High-Strength Elastic PVC Floor Adhesive



Main ingredients:	acrylic ester copolymer
Weight:	12kgs/barrel, 25kgs/barrel
Coating weight:	3sqm/kg
Construction ready state:	touch with your fingers to have a brushed state
Airing adhesive time:	about 20 minute
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	<ol style="list-style-type: none"> 1. Suitable for pasting sports floors below 5.0mm, as well as various composite types (such as foam base and fiber base) and homogeneous PVC roll flooring, sheet flooring, square carpets, and fully covered carpets; 2. The adhesive film is heat-resistant and suitable for heating floors.

Bander 380S Super Strong Floor Adhesive

Main ingredients:	acrylic ester copolymer
Weight:	20kgs/barrel
Coating weight:	3-5sqm/kg
Construction ready state:	touch with your fingers to have a brushed state
Airing adhesive time:	about 20 minute
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	<ol style="list-style-type: none"> 1. Suitable for pasting various types of PVC, vinyl rolls, and tile flooring on absorbent floors, walls, and stairs; 2. Rubber rolls and sheet with a thickness of less than 2.5mm; 3. PVC or PU foam backed carpet material, linen flooring; 4. Limited use on certain non absorbent substrates such as PVC flooring and tiles (absorbent substrate surface needs to be sanded to obtain a rough surface).



Bander 500 PVC Static Conductive Floor Adhesive



Main ingredients:	acrylic ester copolymer, conductive material
Weight:	20kgs/barrel
Coating weight:	5-6 sqm/kg
Surface resistance:	$\leq 3 \times 10^5 \Omega$
Airing adhesive time:	≤ 30 minute
Construction ready state:	from milky white to transparent
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	1. Various types of conductive PVC sheet flooring. 2. Only applicable to absorbent substrates

Bander 550D Static-Conductive PVC Sheet Floor Adhesive

Main ingredients:	acrylic ester copolymer, conductive material
Weight:	25kgs/barrel
Coating weight:	3 sqm/kg
Surface resistance:	$\leq 3 \times 10^6 \Omega$
Airing adhesive time:	≤ 30 minute
Construction ready state:	touch with your fingers to have a brushed state
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	1. Various types of conductive or dissipative PVC sheets and roll flooring. 2. Limited use on certain non absorbent substrates such as PVC flooring and tiles (absorbent substrate surface needs to be sanded to obtain a rough surface).









Bander 550S Slatic-Conductive PVC Sheet Floor Adhesive



Main ingredients:	acrylic ester copolymer, conductive material
Weight:	20kgs/barrel
Coating weight:	3 sqm/kg
Surface resistance:	$\leq 3 \times 10^6 \Omega$
Airing adhesive time:	≤ 30 minute
Construction ready state:	touch with your fingers to have a brushed state
Floor welding time:	about after 24h
Bearable time:	about after 72h
Application area:	<ol style="list-style-type: none"> 1. Various types of conductive or dissipative PVC sheets and roll flooring. 2. Limited use on certain non absorbent substrates such as PVC flooring and tiles (absorbent substrate surface needs to be sanded to obtain a rough surface).

Tooling

Pictures	Tooling Name	Details
	Self leveling Stirring grab	Used for mixing cement, mortar, putty, etc.
	Self leveling scraper with scraper teeth	Mainly used for leveling construction of self-leveling cement and epoxy floors. size: 580mm
	Defoaming roller, including telescopic rod(2m)	Eliminate bubbles during the construction process of self leveling cement.
	Spikes	Used for self leveling cement, epoxy floor construction, and plastic runway construction, entering the construction site without leaving any traces.
	Glue scraper with Glue scraper teeth (A2)	Suitable for applying various adhesives, solid wood flooring adhesives can also be applied with two component adhesives (pay attention to timely cleaning after use). Size: 200mm
	Measuring bucket	9L

