

Innovative Solutions for Modern Builds



Adhesives | Grouts | Waterproofing | Cleaner



RILO CHEM INDUSTRIES

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www.ideationdesign.in



Welcome to the World of Bonding

Your vision emerges into a stunning high performance reality

Rilo is one of the Emerging companies that manufactures adhesives that transform the way we view spaces. Our amazing state of art manufacturing facility facilitates the production of products backed by R&D. Both walls and floors can be benefited by our adhesive solutions.



Revolutionizing Builds for the Next Generation



RILO R-500

High Performance Tile Adhesive

STANDARD

RILO R-500 complies with IS 15477:2019 Type 1
Also complies with EN C1T classification



BASIC CHARACTERISTICS

	PROPERTY : TEST METHOD	REQUIREMENT	TYPICAL VALUES
Tensile Adhesion	DRY CONDITIONS ANNEX A (CLAUSE 5.1)	Minimum 0.50 N/mm ²	0.55-0.65 N/mm ²
Shear Adhesion	DRY CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.00N/mm ²	1.05-1.20 N/mm ²
Slip Resistance	SLIP RESISTANCE-ANNEX E (CALUSE 5.5)	≤ 0.50mm	0.40-0.45 mm

TYPE 1: C1T SLIP RESISTANT TILE ADHESIVE

- For installation of ceramic, vitrified and wall tiles on floor and wall up to 2x2 feet size tiles in indoor areas.
- On cement based substrates like cement plaster, cement concrete, cement screed etc.
- Preferably for dry area application. Working properties at 27°C
- Rilo R-500 adhesive mixed with water has pot life more than 20 minutes and time to heavy traffic is 16 - 24 hours
- Coverage - approx 45 to 55 sq.ft. per 20 kg bag, using 6mm x 6mm square notched trowel for a bed of 3mm.

(Actual coverage depends on substrate condition and method of application)

APPLICATION INSTRUCTIONS

Interior installation of ceramic tiles, vitrified of medium to large profile on floor & wall surface only. Suitable for Tile on Tile Application.

SHELF LIFE & STORAGE

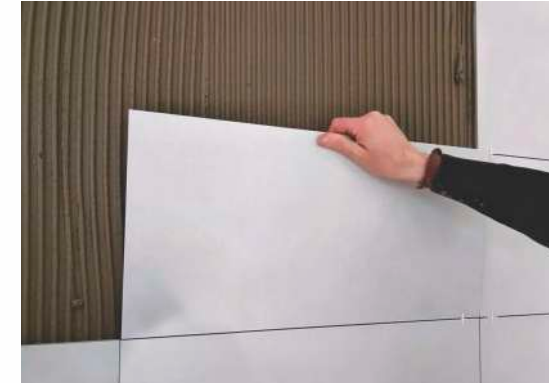
Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place .

RILO R-600

High Performance Tile Adhesive

STANDARD

RILO R 600 complies with IS 15477:2019 "Type 2"
Also complies with EN C2T classification



BASIC CHARACTERISTICS

	PROPERTY : TEST METHOD	REQUIREMENT	TYPICAL VALUES
Tensile Adhesion	DRY CONDITIONS ANNEX A (CLAUSE 5.1)	Minimum 1.0 N/mm ²	1.05-1.20 N/mm ²
	WET CONDITIONS-ANNEX A (CLAUSE 5.1)	Minimum 1.0 N/mm ²	1.05-1.20 N/mm ²
Shear Adhesion	DRY CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.25 N/mm ²	1.25-1.40 N/mm ²
	HEATAGEING - CONDITIONS - ANNEX B (CLAUSE 5.2)	Minimum 1.00N/mm ²	1.05-1.5 N/mm ²
	WET CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.00N/mm ²	1.10-1.20 N/mm ²
Slip Resistance	SLIP RESISTANCE-ANNEX E (CALUSE 5.5)	≤ 0.5mm	0.30-0.45 mm

TYPE 2: C2T SLIP RESISTANT TILE ADHESIVE

- For both interior floor & wall applications and for exterior floor applications.
- For installation of vitrified / fully vitrified tiles & glass mosaic tiles on cement based substrates.
- Can be used for wet areas, submerged areas etc. Working properties at 27°C
- Rilo R-600 adhesive mixed with water has pot life more than 20 minutes and time to heavy traffic is 16 - 24 hours
- Coverage - approx 45 to 55 sq.ft. per 20 kg bag, using 6mm x 6mm square notched trowel for a bed of 3mm.

(Actual coverage depends on substrate condition and method of application)

APPLICATION INSTRUCTIONS

Interior installation of ceramic tiles, vitrified, natural stone of small to medium profile. Suitable for Wall Tiles. Can use over concrete, cement render & screeds. Suitable for interior wall & Floor cladding

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place .



RILO R-700

High Performance Tile Adhesive

STANDARD

RILO R 700 complies with IS 15477:2019 "Type 3"
Also complies with EN C2TE classification



BASIC CHARACTERISTICS

	PROPERTY : TEST METHOD	REQUIREMENT	TYPICAL VALUES
Tensile Adhesion	DRY CONDITIONS ANNEX A (CLAUSE 5.1)	Minimum 1.5 N/mm ²	1.5-1.65 N/mm ²
	WET CONDITIONS-ANNEX A (CLAUSE 5.1)	Minimum 1.0 N/mm ²	1.10-1.20 N/mm ²
Shear Adhesion	DRY CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.5 N/mm ²	1.60-1.70 N/mm ²
	HEATAGEING - ANNEX B (CLAUSE 5.2)	Minimum 1.0 N/mm ²	1.10-1.20 N/mm ²
	WET CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.0 N/mm ²	1.15-1.25 N/mm ²
Slip Resistance	SLIP RESISTANCE-ANNEX E (CALUSE 5.5)	≤ 0.5mm	0.40-0.45 mm

TYPE 3: C2TE SLIP RESISTANT TILE ADHESIVE

- For both internal & external floor and wall.
- For installation of ceramic / clay / vitrified / basalt & porecelain / all natural stone tiles.
- Excellent for wet areas like swimming pools, sauna, water bodies and washrooms. Working properties at 27°C -
- Rilo R-700 adhesive mixed with water has pot life more than 20 minutes and time to heavy traffic is 16 - 24 hours.
- Coverage - approx 45 to 55 sq.ft. per 20 kg bag, using 6mm x 6mm square notched trowel for a bed of 3mm.

(Actual coverage depends on substrate condition and method of application)

APPLICATION INSTRUCTIONS

Interior installation of tile, ceramic tiles, vitrified, natural stone of medium to large profile. Suitable in underwater tile application.

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place .

RILO R-800

High Performance Tile Adhesive



STANDARD

RILO R -800 complies with IS 15477:2019 "Type 4"
Also complies with EN C2TES1 classification



BASIC CHARACTERISTICS

	PROPERTY : TEST METHOD	REQUIREMENT	TYPICAL VALUES
Tensile Adhesion	DRY CONDITIONS ANNEX A (CLAUSE 5.1)	Minimum 1.5 N/mm ²	1.70-1.80 N/mm ²
	WET CONDITIONS-ANNEX A (CLAUSE 5.1)	Minimum 1.0 N/mm ²	1.50-1.60 N/mm ²
Shear Adhesion	DRY CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.5 N/mm ²	1.80-1.90 N/mm ²
	HEATAGEING - ANNEX B (CLAUSE 5.2)	Minimum 1.0 N/mm ²	1.20-1.30 N/mm ²
	WET CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.0 N/mm ²	1.30-1.40 N/mm ²
Slip Resistance	SLIP RESISTANCE-ANNEX E (CALUSE 5.5)	≤ 0.5mm	0.35-0.45 mm
TRANSVERSE DEFORMATION	TRANSVERSE DEFORMATION (CALUSE 5.6)	≤ 2.5mm < 5.0 mm	2.55-2.65 mm

TYPE 4: C2TES1 SLIP RESISTANT TILE ADHESIVE

- For both internal & external floor and wall.
- For large format thin tiles on walls and floors.
- Can be used for highly diversified uses, material and surfaces.
- Best suited for elevation application. Working properties at 27°C.
- Rilo R-800 adhesive mixed with water has pot life more than 20 minutes and time to heavy traffic is 16 - 24 hours
- Coverage - approx 45 to 55 sq.ft. per 20 kg bag, using 6mm x 6mm square notched trowel for a bed of 3mm

(Actual coverage depends on substrate condition and method of application)

APPLICATION INSTRUCTIONS

Interior & exterior installation of glass mosaic/tile, ceramic tiles, vitrified, natural stone of medium to large profile. Suitable in underwater tile application.

SHELF LIFE & STORAGE

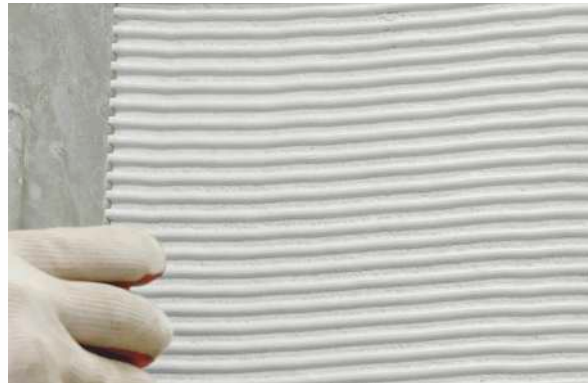
Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place .

RILO R-900

High Performance Tile Adhesive

STANDARD

RILO R-900 complies with IS 15477:2019 "Type 4"
Also complies with EN C2TES1 classification



BASIC CHARACTERISTICS

	PROPERTY : TEST METHOD	REQUIREMENT	TYPICAL VALUES
Tensile Adhesion	DRY CONDITIONS ANNEX A (CLAUSE 5.1)	Minimum 1.5 N/mm ²	1.70-1.80 N/mm ²
	WET CONDITIONS-ANNEX A (CLAUSE 5.1)	Minimum 1.0 N/mm ²	1.50-1.60 N/mm ²
Shear Adhesion	DRY CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.5 N/mm ²	1.80-1.90 N/mm ²
	HEATAGEING - ANNEX B (CLAUSE 5.2)	Minimum 1.0 N/mm ²	1.20-1.30 N/mm ²
	WET CONDITIONS-ANNEX B (CLAUSE 5.2)	Minimum 1.0 N/mm ²	1.30-1.40 N/mm ²
Slip Resistance	SLIP RESISTANCE-ANNEX E (CALUSE 5.5)	≤ 0.5mm	0.35-0.45 mm
TRANSVERSE DEFORMATION	TRANSVERSE DEFORMATION (CALUSE 5.6)	≤ 2.5mm < 5.0 mm	2.55-2.65 mm

TYPE 4: C2TES1 SLIP RESISTANT TILE ADHESIVE

- For both internal & external floor and wall.
- For large format thin tiles on walls and floors.
- Can be used for highly diversified uses, material and surfaces.
- Best suited for elevation application. Working properties at 27°C.
- R-900 adhesive mixed with water has pot life more than 20 minutes and time to heavy traffic is 16 - 24 hours
- Coverage - approx 45 to 55 sq.ft. per 20 kg bag, using 6mm x 6mm square notched trowel for a bed of 3mm.

(Actual coverage depends on substrate condition and method of application)

APPLICATION INSTRUCTIONS

Interior & exterior installation of glass mosaic/tile, ceramic tiles, vitrified, natural stone of medium to large profile. Suitable in underwater tile application.

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place .

RILO R-1100

High Performance Tile Adhesive

APPLICATION AREA

Use For Fixing And Laying AAC, CLC,
Hollow Concrete Blocks And Bricks



BASIC CHARACTERISTICS

Parameter	Rilo R-1100
Appearance	Grey
Pot Life Approx	More than 20 Min
Open Time	15-20 Min
Setting Time	24hr
Adjustment Time	15 Min
Required Water Ratio	20 to 27 %

IMPORTANT INSTRUCTIONS & PRECAUTIONS

- Internal & external uses.
- No pre-wetting of blocks required.
- Plastering can be done after 4 days
- Use proper tools & tackles during application i.e thin bed 3 mm metal notch trowels, mechanical mixer, and rubber hammer etc.
- Clean all tools & applications equipment with water immediately after use.
- Rilo reserves the rights to change the properties of its products as per market needs any changes to this disclaimer may only be implemented with permission of Rilo corporate legal bar.

APPLICATION INSTRUCTIONS

Can be applied from 3mm onwards, suitable for undulated blocks, block mounting full wall 3 days, self curing adhesive

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place .



R-POXY GROUT

High Performance Tile Adhesive

TWO COMPONENT HIGH PERFORMANCE R-POXY TILE GROUT

R-poxy tile grout is a 2 component, R-Poxy based tile grout specially designed for quick grouting of joints up to 10mm. Has an excellent chemical and mechanical resistance properties. Suitable for dry & wet areas like bathroom, kitchen, high traffic areas and swimming pools in residential & commercial areas including industries, hotels & shopping malls.

AVAILABLE PACKAGING

1 Kg. & 5 Kg. Multi Colour



RECOMMENDED FOR

CERAMIC FLOOR & WALL TILES
QUARRY TILES
MARBLE
MOSAICS
PORCELAIN TILES
FLOOR BRICK
PAVERS
SLATE



ADVANTAGES

COLOUR FAST
WEATHER RESISTANT
EASY MAINTENANCE
NON-SHRINKING
NON-CRACKING
EASY APPLICATION AND CLEANUP



COVERAGE AREA

Approximate Sq. ft. coverage per 10 kg (Avail. Pack 1 kg. & 10kg.)

TILE SIZE	20 mm x 20 mm							
	IN mm	3	4	5	6	8	10	12
100 x 100 x 3	480	335	270	225	171	138	116	
150 x 150 x 4	540	375	301	252	190	153	128	
300 x 300 x 6	710	496	398	332	249	200	168	
400 x 400 x 6	950	661	529	442	332	266	222	
500 x 500 x 8	890	619	496	413	310	249	208	
600 x 600 x 8	1070	737	594	496	372	298	249	

RILO GROUT COLOR SELECTOR

RILO Grout shade are approximate guides only. Actual shade and texture will depend on job site conditions. Shades shown have been developed using RILO grout with Water. Verify actual appearance and compatibility with a test area before installation commences, using more than one batch, blend grout with different batch numbers.

APPROXIMATE SQ. FT. COVERAGE FOR GLASS MOSAIC

TILE SIZE	20 mm x 20 mm
JOINT WIDTH	1.5 mm
JOINT DEPTH	2 mm

RILO Grout 60 Sq. ft. to 65 Sq. ft. per 5 kg bucket.

Quantities shown are approximate and are given for estimating purposes only. actual job site covering may vary

















Note: It is always good practice when calculating coverage to allow for 10-15% additional material for wastage and spillage



EPOXY TILE GROUT SHADE

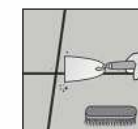
High Performance Tile Adhesive



	R -01 BLACK		R -15 SKY BLUE
	R -02 WHITE		R -16 LIGHT GREY
	R -04 IVORY		R -17 CEMENT GREY
	R -05 SANDY BROWN		R -18 DARK GREY
	R -06 LIGHT BROWN		R -G10 T GOLD
	R -07 BRIGHT BROWN		R -G13 I GOLD
	R -08 PASTEL BROWN		R -S14 N SILVER
	R -09 CHOCO BROWN		R -S17 C SILVER
	R -10 TERACOTTA		
	R -12 GREEN		
	R -13 INCA GOLD		

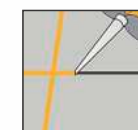
HOW TO APPLY

STEP - 1



Clean the joint dirt prior grouting

STEP - 2



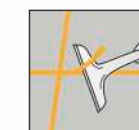
Extrude design in to the joint

STEP - 3



smooth the grout

STEP - 4



After 6 to 8 hours remove ant excess products.

RILO

High Performance Tile Adhesive








CEMENTITIOUS POLYMER TILE GROUT

- Water-resistant, non-cracking & non-shrink polymer-modified cementitious tile joint filler/grout designed for grouting glazed wall tiles, mosaics, vitrified & fully vitrified tiles, floor tiles, industrial floor tiles etc.
- Tile grout effectively fills the gaps and levels it self to give hard wearing and non dusting tile joints.
- Tile grout firmly holds the tiles together to give a long life to the tiles and can be used for 1mm to 3mm joint width max.
- For improved performance, mix the tile admix to tile grout.
- Cementitious polymer tile grout is available in both sanded & unsanded form.
- Conform to EN 13888

AVAILABLE PACKING

: 1 Kg. Multicolor

POLYMER TILE GROUT SHADE

	BLACK		BROWN
	WHITE		TERACOTTA
	IVORY		BLUE
	GREY		

MULTIPURPOSE ADMIX

- For enhanced adhesion and increased flexibility, tile adhesive admix is added to tile adhesives to produce "POLYMER FORTIFIED ADHESIVE" which shows similar results as "POLYMER MODIFIED ADHESIVES".
- By addition of Liquid Admixture to type 1 adhesive, its properties can be enhanced to meet the performance criteria of type 2 or type 3 or type 4 adhesive



Imparts Protection And Strength To Tile Adhesive



Protection From Weathering



Protection From Thermal Shock



Flexibility

AVAILABLE PACKING

1 Kg. & 5 Kg.



RILO

High Performance Tile Adhesive

CEMENTITIOUS WATERPROOFING & REPAIR POLYMER

- Cembond-A milky white latex based in a modified styrene butadiene (SBR) co-polymer emulsion for waterproofing & bonding in many civil engineering applications.
- For concrete repairs in combination with cement : Spalled concrete of floors, columns, beams, slabs, parapets etc.
- For waterproofing : As a strong primer & as an additive in the mortar -small roof terraces, sunken portions of toilets bathrooms, lift pits & balconies.
- As a bond coat: For multi layer plaster, serves as a bonding agent & also as a waterproof barrier, for bonding of new concrete to old concrete, masonry stone work & plastering.

AVAILABLE PACKING

1 Ltr., 5 Ltr. & 20 Ltr.

CEMENTITIOUS WATERPROOFING & REPAIR POLYMER

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- As a bond coat: For multi layer plaster, serves as a bonding agent & also as a waterproof barrier, for bonding of new concrete to old concrete, masonry stone work & plastering.

AVAILABLE PACKING

1 Ltr., 5 Ltr. & 20 Ltr.

TILE CLEANER FOR EASIER & EFFICIENT MAINTENANCE

- Easy to use, ready to use & fast acting tile cleaner for interior & exterior cleaning application that remove tough everyday spills, dirt, grease & cement residue.
- Can be used for unglazed ceramic tile, glass tile, vitrified tile, glass mosaic tile, glazed ceramic tile and porcelain tile.

AVAILABLE PACKING

1 Kg. & 5 Kg.

TECHNICAL SPECIFICATION

Appearance : Pale yellow liquid

Specific gravity : 1.0

pH : 5-6



RILO

High Performance Tile Adhesive

TAP CLEANER

- It is an advanced cleaning formula that helps you amazingly for cleaning taps, bathtubs, sinks, showers, and other bathroom fittings. These bathroom fittings will shine like a new one.
- Ideal for cleaning various types of kitchen and bathroom fittings without leaving any mark on the surface. Its fast-acting formula ensures safe cleaning and cares for the tap.

AVAILABLE PACKING

1 Ltr. & 5 Ltr.

ELASTOMERIC WATERPROOF & PROTECTIVE COATING

- Two component polymer modified flexible and elastic cementitious waterproof cum anti-carbonation coating to be applied on sound substrates for extremely tough & durable waterproof render.
- Best suited for all structures to be waterproofed & protected against ingress of moisture like :-

APPLICATION AREA

- Basement
- Water Tanks
- Swimming Pools
- Retaining Walls
- Bridge Walls
- Tunnels
- Lift Shafts
- Sewage Tanks
- Reservoirs
- Dams
- Dock Gates

AVAILABLE PACKING

15 Kg.: (10 Kg. Powder + 5 Ltr. Liquid)

LW++

- Integral Waterproofing Liquid Admixture for concrete and mortar conforming to IS : 2645, 2003
- For waterproofing of concrete and mortar used in RCC beams, basements, roof slabs and screeds.
- For water tanks & water retaining structures, external plastering, bathrooms and balconies, sumps and drains.
- In precast concrete manufacturing.



Improves workability with cement



Saves water usage



Saves cement usage

AVAILABLE PACKING

1 Ltr. & 5 Ltr.
Dosage is 200ml for 50Kg cement bag



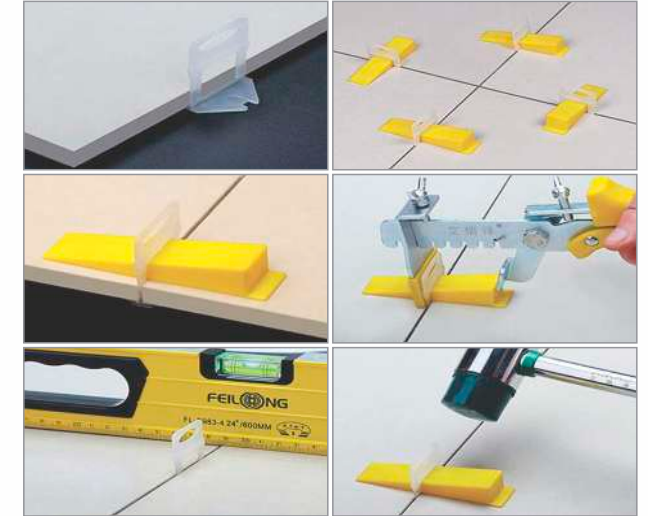
RILO

High Performance Tile Adhesive

TILE EQUALIZER

TILES LEVELLING AND EQUALIZING SURFACE

- Levelling system is an innovative product that will assist most anyone in installation of stone, ceramic, marble, granite and large format slab tiles. It is designed to create virtual slippage free installation when used on floor or wall. The system interlocks the tiles, virtually creating single flat slab surface while the setting material is curing.
- The interlocking design of the system reduces and in most cases eliminates setting from shrinkages, as well as minimizing the possibility of warping. The system reduces the need to re-lift tiles to add more mud and or the process of shimming tiles, thus greatly increasing the speed of installation, all the while creating that much desired slippage free mirror surface. In addition, the caps are reusable dozens of times.



AVAILABLE PACKING

Packing : 50 (Clips) + 50 (Wedge)

DEMAND QUANTITY (CLIP/M²)

Size/Area	1 ² m	2 ² m	5 ² m	10 ² m	20 ² m	50 ² m
30x30 cm	12	24	60	120	240	600
40x40 cm	25	50	125	250	500	1250
50x50 cm	15	30	75	150	300	750
30x60 cm	18	36	90	180	360	900
60x60 cm	12	20	50	100	200	500
80x80 cm	10	20	45	80	140	360

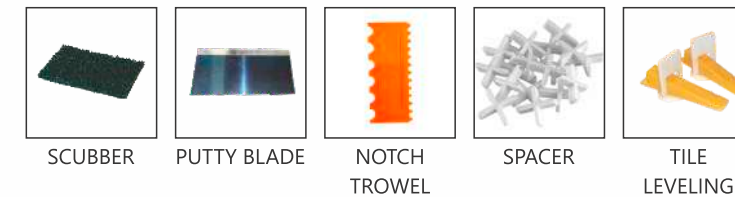
ADVANTAGES

- Specifically angled pliers for use on floor
- Sturdy steel construction with adjustable tension
- Tiles are pushed, not lifted, providing better tile adhesion
- Improves speed of tile laying
- The most economical tile leveling system

TILE SPACER

- For consistent and even spacing of Tiles
- PACKING : 100 Pcs. per packet
SIZE : 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

ACCESSORIES



SCUBBER

PUTTY BLADE

NOTCH TROWEL

SPACER

TILE LEVELLING

