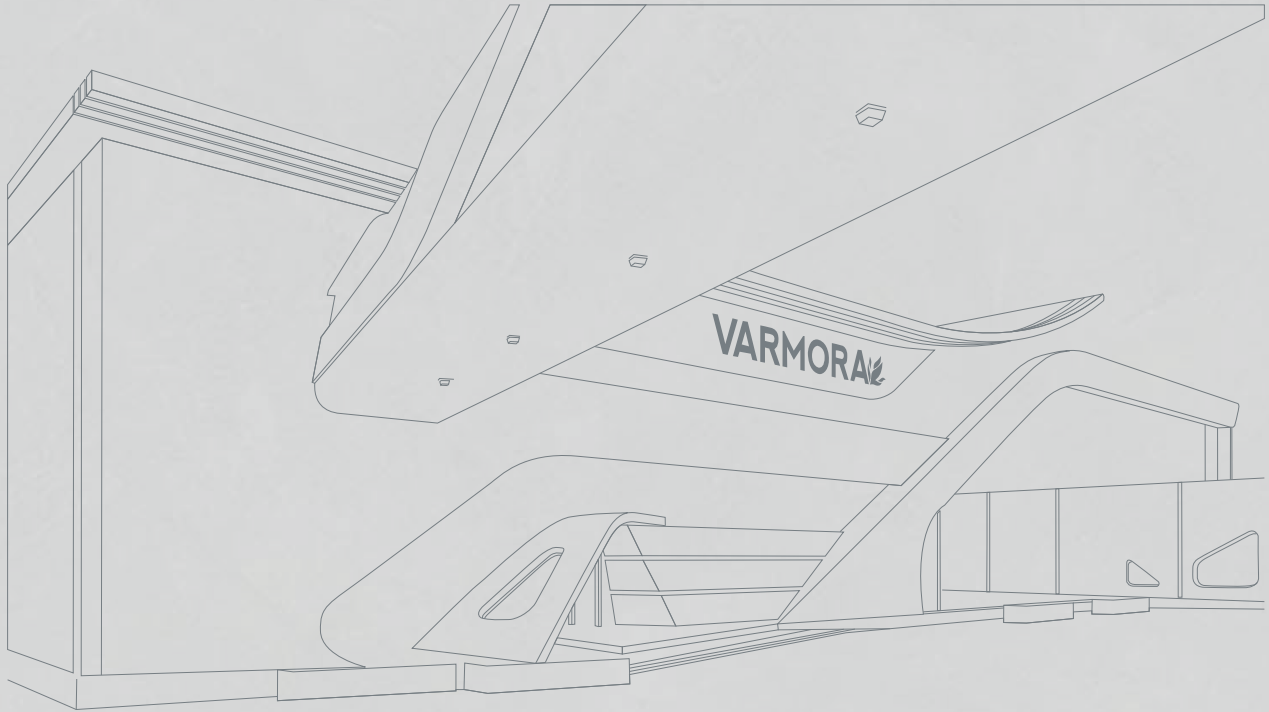


VARMORA

TILES • BATHWARE







VISION STATEMENT

ARMORA will be the world's own brand & a source of inspiration for entrepreneurs globally.

MISSION STATEMENT

To experience satisfaction by contributing our part for the betterment of the world.

With a promise to innovate and bring smiles to faces all around, Varmora has been going strong for over 27 years now. We take pride in our products and their quality because they have made our endeavor more successful than we had imagined.

COMPLETE TILE ADHESIVE & Grout Solutions



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VARMORA

TILES • BATHWARE



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TILE GROUT

The latest for Wall & Floor Tiles Joints with polymer modified grout

Application Areas

Walls | Floors | Indoors & Outdoors
Dry Areas | Work Tops

Features :

Sturdy, scratch-resistant, non-shrinkage, durable, abrasive strength, variety of colors & ease of use.

*Tile grout application instructions are given at page no. 20

Pack Size :

1 kg. & 10 kg.

Coverage :

Depending on the joint width, size of tiles and consumption depends on good craftsmanship as well.

Technical Information

PROPERTIES	RESULTS
Pot life @ 30°C, minutes	60
Open time, minutes	30
Adjustability, minutes	15-20
Initial Set @ R T, hours	2
Final Set @ R T, hours	8
Shrinkage, %	<0.1
#Water absorption, %	8.3



TILE
GROUT

GROUT HARDENER

VARMORA

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Primarily used to make paste of tile grout, it can be used with variety of grouts.

Application Areas

Used with all types of cement grouts

Features :

These are available for cement polymer grouts, super grouts. It improves the flexibility, strength & abrasion resistance.

*Grout hardener preparation instructions are given at page no. 20

Pack Size :

500 ml & 1 Ltr.

Coverage :

Depending on the joint width, size of tiles and consumption depends on good craftsmanship as well.

Technical Information

PROPERTIES	RESULTS
Physical Appearance	White Liquid
Specific Gravity	0.955
Solid Contain	20.5%
Odour	Medium
Mixing Ratio	300ml for 1kg grout



GROUT HARDENER

EPOXY GROUT JOINT FILLER (Three Pack)

The latest for Wall & Floor Tiles Joints with hardener & resin based grouts. Special availability of glitter along with nonglitter. **(EASE OF APPLICATION AND CLEANING)**

Application Areas

Walls | Floors | Indoor & Outdoor | Dry & Wet areas | Work tops | Showers area | Swimming Pools | Heavily trafficked floors | Hygienic sterile Chemical resistance areas | Hydrotherapy Pools

Features :

Versatile characteristics include stain resistance, ease of installation and cleaning, non- creaking or powdering, can be cleaned with water when fresh, anti-bacterial, antifungal, chemical & temperature resistance, ease of maintenance, available in varied range, durable joints, sturdy & waterproof.

*Epoxy grout application instructions are given at page no. 22

Pack Size :

1 kg. & 5 kg.

Coverage :

Please refer coverage area matrix given at page no. 20.



Technical Information

PROPERTIES	RESULTS
Shear Adhesion Strength	>2N/m ²
Abrasion Resistance	=250mm ³
Mechanical Flexural Strength	+30N/mm ²
Compressive Strength	+45 N/mm ²
Water Absorption	Nil (1)
Tensile Adhesion (14 days air)	
Epoxy Grout	>4.5 Dry Condition (kN)
Epoxy Grout	>3.6 Dry Condition (kN)

EPOXY GROUT
JOINT FILLER

The latest Silver, Gold and Copper glitters for tiles joints.

Application Areas

Walls | Floors | Indoor & Outdoor | Work tops | Showers area | Swimming Pools

Features :

Dissolves easily, Permanent shine, Excellent chemical resistance. Recommended dosage 50 gm Glitter / 1kg. Epoxy Grout joint filler

*Glitter preparation instructions are given at page no. 22

Pack Size :

50 gm.

Coverage :

Depending on the joint width and consumption depends on good craftsmanship and expected refraction required.

Technical Information

PROPERTIES	RESULTS
Appearance	Reflective Particles
Colour	Silver, Gold & Copper
Nature	hexagonal prism
Dimensions	≈0,2 mm
Specific weight	≈1,38 kg/dm ³
Recommended dosage	50 gm Glitter / 1kg. Epoxy Grout joint filler
Chemical resistance	Grade II



GLITTER

NSA ASH (Grey)

Adhesive for indoor walls & floor tiles

Application Areas

Ideal for all ceramic tiles on wall, tiles up to 600x1200mm on floor (vitrified and porcelain tiles)

Features :

This polymer modified adhesive exhibits great strength, ease of application with quick mixing, it is a certified product under IS 15477:2019 "Specification for Adhesives to use with ceramic, vitrified and porcelain tiles".

*Tile adhesive application instructions are given at page no. 21

Pack Size :

20 kg.

Coverage :

Approximately 4.5 to 5 m²/20kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)



Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Colour	Grey
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	5
Trafficable time, Hrs.	24
Shear adhesion, M pa	8-10
Tensile adhesion strength, 14 days, M pa	>1275 N Force
EN 12004 Standard	C1

NSA ASH
(Grey)

NSA PREMIUM (Grey)

VARMORA

TILES • BATHWARE

Adhesive for indoor wall & floor tiles.

Application Areas

Great to use for applying ceramic, porcelain and vitrified tiles on walls & floors up to 600x1200mm, granite window framing and tile on tile applications.

Features :

It exhibits great characteristics that include easy mixing, smooth application, better workability and high strength. It is IS 15477:2019 certified with “Specification for Adhesives to use with ceramic, vitrified, porcelain tiles and granite stones.”

*Tile adhesive application instructions are given at page no. 21

Pack Size :

20 kg.

Coverage :

Approximately 4.5 to 5 m²/20kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)

Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Colour	Grey
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	5
Trafficable time, Hrs.	24
Shear adhesion, M pa	8-10
Tensile adhesion strength, 14 days, M pa	>1550 N Force
EN 12004 Standard	C1E



NSA PREMIUM (Grey)

NSA SUPREME (White)

Adhesive for indoor and outdoors wall & floor tiles.

Application Areas

Best suitable for vitrified tiles application on walls and floors, indoor & outdoor uses in 600x600mm, 300x600mm, 200x1200mm, applying granites in window & door framing.

Features :

It's versatile characteristics includes easy mixing & smooth applicability with better workability. This high polymer modified adhesive exhibits superior strength and is certified with IS 15477:2019 under “specification for adhesives to use with vitrified tiles & granites stones.”

*Tile adhesive application instructions are given at page no. 21

Pack Size :

20 kg.

Coverage :

Approximately 4.5 to 5 m²/20kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)

Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Colour	White
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	5
Trafficable time, Hrs.	24
Shear adhesion, M pa	8-10
Tensile adhesion strength, 14 days, M pa	>1680 N Force
EN 12004 Standard	C2E



NSA SUPREME (White)

NSA ULTIMATE (Grey & White)

VARMORA

TILES • BATHWARE

Adhesive for indoor and outdoors wall & floor(800x800mm, 1200x1200mm, 900x1800mm & 800x 1600mm) tiles, marble, Italian marble (up to 800x800mm) and granite stone, recommended for all kinds of tile on tile applications.

Application Areas

Ideal for use in low and high water absorption surfaces, to apply 800x800mm, 1200x1200mm, 900x1800mm & 800x1600mm vitrified & porcelain tiles indoor(grey adhesive) & outdoor(white adhesive), recommended for applying low water absorption tiles such as single fired tiles, natural stone, marble, Italian marble (up to 800x800mm) and granite stone, recommended for all kinds of tile on tile applications. Can be used for industrial flooring also.

Features :

It's superior characteristics exhibit easy mixing qualities along with smooth application and better workability. With high strength and water resistance, it complies with IS 15477:2019 "Specification for Adhesives to use with wall & floor tiles, marble, Italian marble (up to 800x800mm) and granite stone, recommended for all kinds of tile on tile applications."

*Tile adhesive application instructions are given at page no. 21

Pack Size :

20 kg.

Coverage :

Approximately 4.5 to 5 m²/20kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)



Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Colour	Grey & White
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	5
Trafficable time, Hrs.	24
Shear adhesion, M pa	8-10
Tensile adhesion strength, 14 days, M pa	>1950 N Force
EN 12004 Standard	C2TE

NSA ULTIMATE
(Grey & White)

NSA DELUX (Grey & White)

Adhesive for all kind of heavy duty & large tiles(1200x2400mm, 1200x1800mm and 1600x3200mm), marbles, Italian marble & granite stones

Application Areas

Ideal for usage in granite, marble, Italian marble, kota stone, heavy duty & large tiles (1200x2400mm, 1200x1800mm and 1600x3200mm) indoor(grey adhesive) & outdoor(white adhesive) applications. Up to 50 feet height on wall. Also used for spot bonding of polyester glass wool, polyurethane panels.

Features :

It's superior characteristics exhibits high strength, water resistance, this high polymer modified adhesive excels in performance and is IS 15477:2019 certified under “specification for adhesives to use with all kind of heavy duty & large tiles(1200x2400mm, 1200x1800mm and 1600x3200mm), marbles, italian marble & granite stones.”

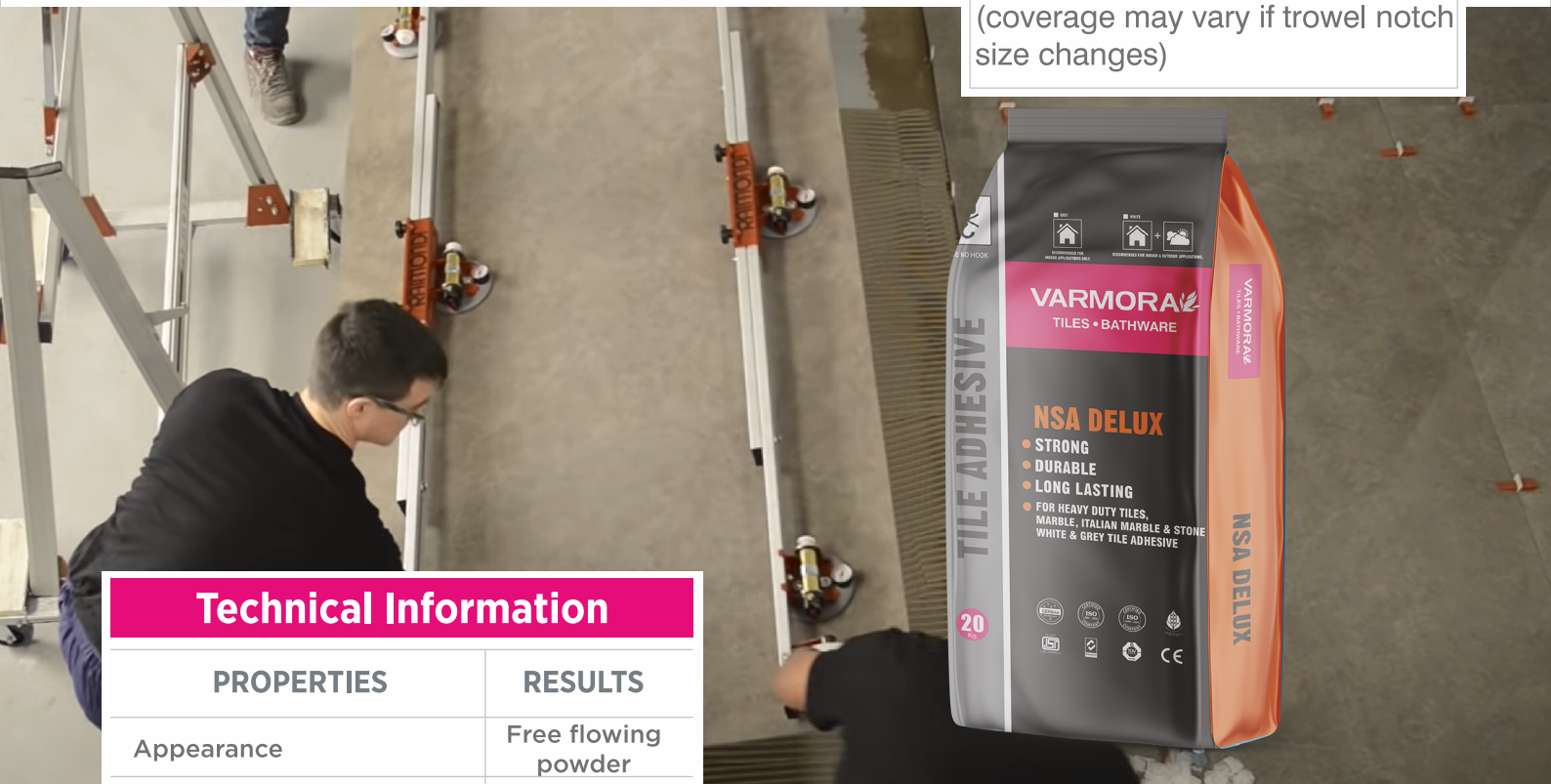
*Tile adhesive application instructions are given at page no. 21

Pack Size :

20 kg.

Coverage :

Approximately 4.5 to 5 m²/20kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)



Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Colour	Grey & White
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	5
Trafficable time, Hrs.	24
Shear adhesion, M pa	8-10
Tensile adhesion strength, 14 days, M pa	>2250 N Force
EN 12004 Standard	C2TE

NSA DELUX
(Grey & White)

GLASS MOSAIC ADHESIVE (White)

VARMORA

TILES • BATHWARE

Multipurpose adhesive for indoor & outdoor stone, heavy duty glass & mosaic.

Application Areas

It is ideal for application of glass mosaic on walls & floor. Also used for applying stone mosaic, ceramic mosaic in kitchen, bathroom, swimming pool etc.

Features :

It's versatile characteristics includes high performance, flexibility, high tensile strength, water resistance, easy to use, suitable for glass mosaic. Glass mosaic adhesive befits the requirements of IS 15477:2019 "specification for adhesives to use with mosaics".

*Tile adhesive application instructions are given at page no. 21

Pack Size :

20 kg.

Coverage :

Approximately 4.5 to 5 m²/20kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)

Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Colour	White
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	5
Trafficable time, Hrs.	24
Shear adhesion, M pa	8-10
Tensile adhesion strength, 14 days, M pa	>2000 N Force
EN 12004 Standard	C2E



GLASS MOSAIC ADHESIVE
(White)

WOOD & STEEL ADHESIVE (Two Pack)

Adhesive for wood & metal surface applications.

Application Areas

It is ideal for application of tiles over wood and steel surfaces. Used across applications that have vibration zones such as lift adjoint area, industrial surfaces etc. It is also used for application over resin-based stones, which changes it's size as according to the atmosphere. Also used for high water absorption natural stones. It is also applied over marble, granite and heavy slabs on wood or steel sheet.

Features :

It exhibits superior features like ease of application, quick fixing, excellent workability, versatile adhesive strength, durability, and self-curing.

* application instructions are given at bucket.

Pack Size :

10 kg. (6 kg Powder + 4 kg Liquid)

Coverage :

Approximately 1.7 m²/10kg by using 3mm thin trowel notch. (coverage may vary if trowel notch size changes)

Technical Information

PROPERTIES	RESULTS
Mixing Ratio	6kg (Powder) 4ltr. (Liquid)
Colour	Light Orange
Pot life @ 25°C, minutes	35 to 45
Open time, minutes	>20
Adjustability time, minutes	15
Trafficable time, Hrs.	48



WOOD & STEEL
ADHESIVE
(Two Pack)

TILES CARE

VARMORA

TILES • BATHWARE

Fast acting wall & floor tile cleaner.

Application Areas

Ideal for use indoor & outdoor applications, walls, floors, dry and wet areas, shower area, swimming pools etc.

Instructions For Use :

This product exhibits great functionality over ceramic tiled floors and walls with it's acid based cleaner that's strong and effective. It is ideal for use on vertical as well as horizontal surfaces. It removes cement film residues, lime scale and efflorescence. It is also great for use on other acid resistant surfaces.

Special Attention:

Avoid using on surfaces that are not resistant to acid like marble or terrazzo. As this product is not skin-sensitive, always wear gloves while using it; do not use it with your bare hands.

Pack Size :

500 ml & 1ltr.



TILES CARE

TILES EQUALIZER

A product for leveling and equalizing tiles surfaces

Application Areas

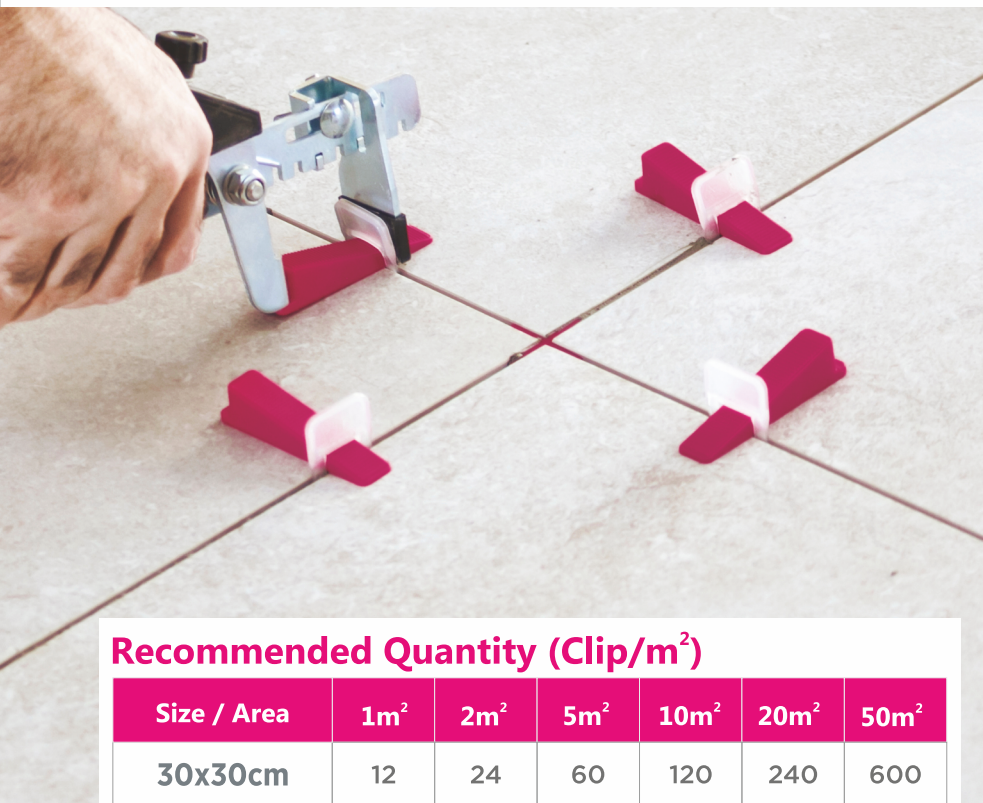
Ideal for use across sizes of tiles, marble and granite. Can be used for walls and floors indoor & outdoor applications.

Features:

It exhibits superior features like avoid un even surfaces during tiling in all across sizes, it avoids hollowness after tiling, it reduces cracks due to hollowness.

Packing Details

50 (Clip) + 50 (Wedge)
Other Clips Available in
1.5, 2, 3 & 4 mm thickness .



Recommended Quantity (Clip/m²)

Size / Area	1m ²	2m ²	5m ²	10m ²	20m ²	50m ²
30x30cm	12	24	60	120	240	600
40x40cm	25	50	125	250	500	1250
50x50cm	15	30	75	150	300	750
30x60cm	18	36	90	180	360	900
60x60cm	12	20	50	100	200	500
80x80cm	10	20	45	80	140	360

TILES
EQUALIZER

TILES SPACER

VARMORA

TILES • BATHWARE

A product to ensure even and consistent spacing during tiling

Application Areas

Ideal for indoor & outdoor applications, walls, floors, dry and wet areas, showers, swimming pools, etc.

Advantages

With its ease of application, there are multiple advantages of tiles spacer, which makes it an absolute worthy buying. First and foremost, it allows equal distance between tiles with such accuracy and precision that the result is absolutely stunning with finesse and fine symmetry.

Method of Application

Tiles Spacers are a boon when you wish to install tiles at home. These are small cross like available in wood or ceramic, it enables equal spacing between tiles with commendable precision and brings out outstanding results. Available in different sizes, most commonly used ones range in width from $\frac{1}{8}$ to $\frac{3}{8}$ of an inch. Lay 4 tiles at a time on the work surface and use spacers in accordance. Place the spacers at the corner of every tile and push the tiles together until they go no further. Once the installation is done, you can remove the spacers and use it for future projects. Tiles can be placed with absolute magical results on floors, walls at your home with the help of spacers easily and very conveniently.



Packing Details

100 Nos. Per Packet

Available Thicknesses:

2mm, 3mm, 4mm and 5mm

TILES SPACER

TILE GROUT APPLICATION

Areas of Application

Varmora Tiles Grout is befittingly used for grouting of ceramic tiles, vitrified tiles, marble, natural stone and edges.

- Used in residential as well as commercial spaces. For joint free / hairline filling.
- Excellent for highly glazed tiles resulting in smooth and watertight joints, which ultimately will be both water and mould resistant.
- Recommended for indoor & outdoor.
- Specially formulated for wet or submerged grouting applications like bathrooms, toilets, fountains, kitchen areas and swimming pools.

Method of Application

1. Surface Preparation

- Surface must be thoroughly cleaned and free from dirt. Dust can be removed with wire brush and air blower.
- It is advisable to wet the tiles before applying Varmora Tile Grout in exterior applications.

2. Grout Hardener Mixing

- Make a smooth and consistent paste by adding tile grout powder to Varmora Grout Hardener in 1kg (tile grout):300ml (grout hardener) ratio, with a slow speed mixer (250 - 300 rpm).
- In case of the grout mortar becoming stiff to work with, please get rid of it and prepare a new batch entirely.

3. Application

Apply to tile joints with spatula, putty blade or squeegee. After applying it, flush the surface with hard rubber float, to fill and create compact joints, use it in diagonal direction across the grout joints. Remove the excess grout with the same rubber float immediately.

4. Cleaning

- Use a clean & dry cloth to polish the tiles. Hot soap water works best to scrub the floor.
- As it involves polymer content, clean the surface instantly after grouting.
- Allow the grout to set in the joint thoroughly well and let it acquire it's initial set before cleaning. Clean the tile surface with a pad of cheesecloth or towel dampened with minimal quantity of clean and cool water. Use circular motion to rub to further compact the grout.
- Clean the remaining surface grout on the tile. Fasten scrubbing pad to a float to remove grout from porous tiles.
- Rebuff the tile surface and grout within 1-2 hours to remove grout residue from the surface, which helps to control the color variation and reduce efflorescence.

Precautions & Limitations

- All sugar finished base tiles are recommended to apply tile grout by using masking tape.

Shelf Life & Storage

12 months of shelf life from the date of manufacturing in unopened condition.
Store in cool and dry place.

Health & Safety Precautions

- Always wear protective gears such as gloves and goggles.
- Splash fresh water instantly to treat any contact with skin or eyes.
- Seek medical assistance immediately in case of any unprecedented occurrence.
- Pack should be resealed and product should be stored as per instructions.

1. Surface Preparation

Keep the surface clean and free from dirt, oil or grease before application of varmora adhesive. Before application of the product, substrate should be in saturated surface dry (ssd) condition. Before applying, substrates should be in plumb.

2. Mixing

In 5 to 6 liters of water, mix 20 kg of varmora adhesive. Use forced action mixer to create a uniform lump-free consistency. It will be fattened after keeping it for 5 minutes approximately. For small quantities, hand mixing is recommended. Only mix quantity that can be used within 45 minutes.

3. Application

Varmora adhesive should be used on substrate with plain side of notch trowel. The paste should be pressed firmly to work into the substrate. As per bed thickness, notch trowel should be selected. Comb with notch trowel with notched side. Spread the adhesive paste that can be consumed within 15 minutes. Fix the tiles and tap using beating block or rubber mallet. Firm bonding and 100% coverage result is obtained with back butter over large format tiles and stone. Remove tile randomly to check the result of the transfer of material over the surface. If the adhesive becomes non-sticky then scrap it and paste it again.

4. Grouting

After 24 hours of completion of tiling, ideally, grouting should be carried out. Use Varmora Tile Grout for hairline up to 2mm joints grouting. And Use Varmora Epoxy Grout for grouting above 2mm joints.

5. Cleaning

Clean and polish the tiles with a damp sponge or cloth after grouting. Use potable water for cleaning of tools and equipment soon after use.

Precautions & Limitations

Add powder to liquid and not liquid to powder. Always dampen the substrate when working in temperatures over 35° C (95°F). When the surface temperature is below 4° C, tiling is not advisable.

Health & Safety Precautions

Always wear gloves & goggles as protective shield to ward off danger. As it is skin sensitive, in case of close contact, splash fresh water over the skin or eyes instantly. Do not induce vomiting and seek medical assistance immediately. Pack can be resealed after use and product should be stored as per instructions given.

Shelf Life & Storage

12 months from the date of manufacturing in unopened condition. It should be stored in a cool and dry place.

EPOXY GROUT JOINT FILLER APPLICATION

Areas of Application

Varmora Epoxy grout joint Filler is befittingly used for grouting of Walls, Floors, Indoor & Outdoor, Dry & Wet areas, Work tops, Showers area, Swimming Pools, Heavily trafficked floors, Hygienic sterile Chemical resistance areas, Hydrotherapy Pools

- Used in residential as well as commercial spaces.
- Excellent for highly glazed tiles resulting in smooth and watertight joints, which ultimately will be both water and mould resistant.
- Recommended for indoor & outdoor.
- Specially formulated for wet or submerged grouting applications like bathrooms, toilets, fountains, kitchen areas and swimming pools.

Method of Application

1. Surface Preparation

- Surface must be thoroughly cleaned and free from dirt. Dust can be removed with wire brush and air blower.
- Remove any extra mortar debris from the joints before filing. Clean any dust, stains, or dirt from the tile groove.

2. Mixing

- add part a hardener to part b resin by weight mix the components for 1 minute.
- fill the resin and hardener mix with 1:3 parts filler by weight.
- slowly add the filler to the mixture while continuing to blend it. To form a uniform paste consistency, Mix the contents for 3-4 minutes.

Note: if adding glitter please mix 50 gm glitter per 1kg. Epoxy grout. While preparing epoxy grout paste.

3. Application

- Wear rubber gloves before applying the filling to the tile joints.
- Using a trowel or other suitable tool, fill the joint.
- Place the rubber trowel or an appropriate tool perpendicular to the tiled surface to remove any excess material.

4. Cleaning

- Use a clean & dry cloth to polish the tiles. Hot soap water works best to scrub the floor.
- As it involves polymer content, clean the surface instantly after grouting.
- Allow the grout to set in the joint thoroughly well and let it acquire it's initial set before cleaning. Clean the tile surface with a pad of cheesecloth or towel dampened with minimal quantity of clean and cool water. Use circular motion to rub to further compact the grout.
- After 20-30 minutes, when the joints have hardened, begin the initial cleaning with water and a scrubber. After 40 minutes of joint filling, clean the tile surface with water and soap solution to eliminate the epoxy stain.

Precautions & Limitations

- All sugar finished base tiles are recommended to apply epoxy grout by using masking tape.

Shelf Life & Storage

12 months of shelf life from the date of manufacturing in unopened condition.
Store in cool and dry place.

Health & Safety Precautions

- Always wear protective gears such as gloves and goggles.
- Splash fresh water instantly to treat any contact with skin or eyes.
- Seek medical assistance immediately in case of any unprecedented occurrence.
- Pack should be resealed and product should be stored as per instructions.

Approximate Coverage Area in Sq.Ft. Per 5kg Epoxy Grout

In mm	2mm	3mm	4mm	6mm	8mm	10mm	12mm
100x100x3	264	177	133	90	68	55	46
150x150x4	296	198	149	100	75	61	51
200x150x4	269	181	136	91	69	55	46
150x300x6	263	175	132	88	66	53	44
300x300x6	394	263	198	132	100	80	67
450x300x7	405	270	202	135	101	81	68
600x450x8	506	337	253	169	127	101	85
600x600x8	591	394	295	197	148	119	99
600x900x11	515	343	258	171	129	103	86
900x900x12	590	393	295	197	148	118	99



27 YEARS

Long legacy of innovations
in designing & Technology

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