

KABANI Group

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OCTOPUS™

FLOOR AND WALL TILE ADHESIVE

It's not just about bonding, **It's about bonding sensibly**



EN 12004 STANDARD



ANSI A118.4



IS 15477:2019

Type: 2 & 3 TS1
Adhesive Standards

KABANI Group | www.octopuschemicals.com



ABOUT US

KABANI GROUP is well-known for its commitment to build a better and stronger nation through cement manufacturing. The company ranked top in the business of manufacturing and distribution of biological hygienic products and cement throughout the state of Kerala in the past three decades and further gearing up for new frontiers.

Octopus is the new venture of the parent company **KABANI Group**, a well-emerged manufacturer and distributor of high-standard adhesives for tiling and structural grade bonding. The company has established itself as a renowned brand of New-Age tile adhesives, best for walls and floors, both interior and exterior for domestic as well as commercial applications.

Octopus tile adhesives are specially formulated from high-quality cement, fine sand, and different types of additives and chemicals. These ingredients give tiles adhesive glue, which contains the essential properties needed for laying tiles. These high-performance adhesives can be used to install tiles on all types of substrates.

NEW AGE TECHNOLOGY DRIVEN TILE BONDING

World is witnessing wind of change by sweeping away traditional methods, especially in construction industry. While coming to tile installation techniques, a significant aspect of customer's frustration of dealing with cracked tiles, debonding, falling tiles, unaesthetic appearance resulting from traditional tile fixing methods, including cement. For the new-age customers, they expect excellent products for their evolving needs.

While ceramic tiles have a clay surface at the back that bonds well with cement, vitrified tiles, which are common today, have a smooth and non-porous surface at the back, which is difficult to bond with cement alone. And tile sizes are getting bigger. The traditional method offers weak bonding strength.

Octopus range of tile adhesives are manufactured to overcome these bottlenecks by using the latest technology with high-quality, ensuring industry standards to meet the required standards for strength, durability, and reliability. These tile adhesives hold tiles in their respective positions for long durations without de-bonding issues.

With **Octopus**, you will definitely find out the best-suited tile adhesives for your homes or office, interior and exterior.

OUR MISSION

We aim to strengthen our Nation by assuring durable buildings and strong and forever customer relationships.

OUR VISION

To be the premium tile adhesive manufacturer in India to bring in automation and innovation that set new benchmark for the industry.



Forever bond
with 8 arms strength

SUPERIOR BONDING TECHNOLOGY | CRACK-RESISTANT | ECO-FRIENDLY | FLEXIBLE | DURABLE

EXCELLENT RANGE OF INDUSTRY STANDARD TILE ADHESIVES



Non-flammable



Safe & easy to use



Good Elasticity & Adhesion



For various Substrates



Perfect for New Tiling

We focus on understanding, developing and innovating “Durable crack-free Tile Homes”. Octopus tile adhesives assure strong bonding with tile adhesives and are best-suited for diverse applications viz domestic, industrial and commercial for both interior and exterior. Octopus tile adhesives are the best tile adhesives in Kerala, strictly in compliance with industrial standards. We offer our construction related products all around the market. We are equipped with a team of highly experienced professionals who help us in offering quality products to our clients.

Our range of tile adhesive products are

- **OCTO 1500 GREY SUPER FLEX** (Type 3 C2TES1)
- **OCTO 1500 PREMIUM WHITE SUPER FLEX** (Type 3 C2TES1)
- **OCTO 1000 GREY HIGH FLEX** (Type 2 C2TES1)
- **OCTO 1000 PREMIUM WHITE HIGH FLEX** (Type 2 C2TES1)
- **OCTO 500 SILVER FLEX** (Type 2 C1TE)

Octo 1500 Tile adhesives confirm IS 15477:2019 - Type 3 TS1 Adhesive standards,
Octo 1000 Tile adhesives confirm IS 15477:2019 - Type 2 TS1 Adhesive standards
Octo 500 Silver Flex – Type 2 C1TE Adhesive standards

These tile adhesives set smoothly and evenly, ensuring long-lasting bonding of tiles on floors in diverse applications. The adhesives have high water resistance and flexibility and are highly recommended for severe moist-content areas like bathrooms, kitchens, swimming pools etc.

OCTO 1500 SUPER FLEX

(GREY & PREMIUM WHITE)

EXTERIOR & INTERIOR TILE ADHESIVE

These tile adhesives are our excellent set of premium graded, reliable and durable thin-set adhesives, well-suited for both exterior and interior tile installations, for domestic, residential and commercial applications. Octopus range of tile adhesives are superior in providing excellent resistance to moisture, temperature variations, flexibility and preventing cracks or failures in tile installation. OCTO 1500 SUPER FLEX offers excellent bond strength and quick-setting properties, which make it an ideal choice for time-threshold projects. These tile adhesives also ensure a long-lasting and aesthetically pleasing indoor and outdoor installation.

APPLICATION AREAS

- For ceramic/clay/vitrified/glass mosaic/porcelain tiles and natural stone tiles
- Exterior & Interior floors and Walls
- Adhesive, Finishing & Overlaying
- Saunas and Spa (external & internal)
- Swimming pools and Fountains (external & internal)
- Industrial Application
- Domestic Application
- High traffic commercial areas like malls, showrooms, airport and public areas



OCTO 1000 HIGH FLEX

(GREY & PREMIUM WHITE)

INTERIOR TILE ADHESIVE

High-performance premium Type -2 tile adhesives, specifically designed for installing tile applications perfect for internal installation of ceramic, porcelain, vitrified tiles and natural stones. OCTO-1000 HIGH FLEX provides excellent adhesion and excellent bonding strength with an extended open time, allowing for greater flexibility during tile installation. These are easy and ideal to use on vertical and horizontal surfaces, including walls, floors, both wet and dry areas. They are an excellent choice for high-traffic areas such as commercial settings, public spaces, industrial flooring and also for residential applications.

APPLICATION AREAS

- For vitrified/ceramic/porcelain tiles/tile on tile/pavers/terracotta/marble and natural stones
- Floors and Walls
- Interior
- Adhesive, Finishing & Overlaying
- Saunas and Spa(internal)
- Swimming pools and Fountains (internal)
- Industrial Application
- Domestic Application
- High traffic commercial areas like malls, showrooms, airport and public areas



OCTO 500 SILVER FLEX (GREY)

EXTERIOR & INTERIOR TILE ADHESIVE

Type -2 tile adhesives, specifically designed for installing tile applications for internal installation. OCTO 500 SILVER FLEX provides a bonding strength, for tile installation which settle the necessity for smaller sized tiles. These are easy to use on vertical and horizontal surfaces, both wet and dry areas.

APPLICATION AREAS

- For smaller sized tiles
- Floors and Walls
- Interior
- Adhesive, Finishing & Overlaying





COMMERCIAL FLOORING SYSTEM

Whether building or renovating a commercial floor, we support you in your project step by step. Explore tips, technically prepare your site and anticipate the specific constraints and difficulties of these structures. Finally, follow our step-by-step solutions to complete your work. For flooring applications that is subject to heavy traffic, Octopus offers the best Commercial Floor Installation System ensuring the challenge is easily met. There may be project-specific details during the tiling process. We strongly recommend you to consult with Octopus experts.

ADVANTAGES

- Easy to install
- Saves time and money
- Low Maintenance, high durable floors



RESIDENTIAL FLOORING SYSTEM

Good tiled homes create good mood for the family. If the construction is done carefully and if tiling process is done with. Octopus offers wide-range of world class products for your homes with uncompromised quality as well as the aesthetics. There may be project-specific details during the tiling process. In this process, it is recommended to consult with Octopus experts.

ADVANTAGES

- Easy to install, eco-friendly
- High bond strength
- Anti-bacterial and anti-fungal
- Stain, chemical, temperature and weather resistant



INDUSTRIAL FLOORING SYSTEM

Parking lots, department stores and other industries are considered to be the heavy-duty area. Tile adhesives with high flexibility is compulsory to be used for fixing tiles on these areas for durability and perfection. Industrial Flooring System offers low maintenance, high performance installation for all types of tile and stone in demanding industrial conditions. There may be project-specific requirements during the tiling process. We highly recommend you to consult with Octopus experts at this point of time.

ADVANTAGES

- High strength, impact & thermal shock resistant
- Chemical resistant, hygienic and steam cleanable
- Excellent for short “downtime” installations
- Superior load & heavy traffic performance



ALL-IN-ONE UNIQUE SOLUTION WITH OCTOPUS

Whether you are planning to tackle your tile or stone project yourself or use a professional, Octopus offers the most comprehensive, technically-advanced tile adhesive products available in the industry today, and we back them up with Lifetime Warranty. While building a home, it is always advisable to choose an all-in-one tile adhesive for various types of slabs from smaller sizes 20 x 20 cm to larger sizes 120 cm x 120 cm and more. And we are into that which makes us unique from our competitors, where they go for specific adhesive solutions to specific slabs types, which could be more expensive and confusing for the customer leading to a huge budget in just tiling the home.

True to its name, Octopus has eight major hands to fix tiles on floors and walls. Octopus is committed to provide our customers with cutting-edge Tile and Stone fixing solutions that ensure integrity and durability of concrete structures.

Another highlight is, all Octopus tile adhesive products are eco-friendly, single component adhesive, which avoids the use of plastic cans, reducing CO2 emissions and the need to dispose of special waste. They can be recycled as mineral inert material, avoiding waste disposal costs and environmental impact.

OCTOPUS THE ALL ROUNDER : TILE ADHESIVE FOR ALL APPLICATIONS



Cement Mortar
/ Screen Bed



Existing tiling on
the floor & wall



Vitrified Tiles &
Natural Stones



Concrete
Masonry



Cement
Plaster



Brick
Masonry



Terrazzo



INSTALLATION USER-FRIENDLY & ECONOMICAL

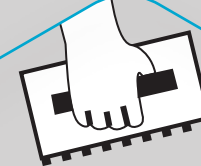
1



Make the surface clean, dust-free, and moisture-free.

Remove the loose particles, dirt, grease, and traces of foreign material from the surface. Before applying the adhesive, wet the surface and blot it dry (direct sunlight exposure shall be avoided). Remove all loose portions and make good with sand cement slurry bonding coat prior to apply Octopus tile adhesive

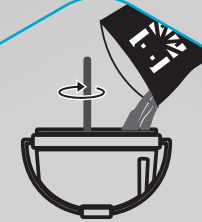
3



Apply the Octopus tile adhesive with a trowel to ensure complete bedding of tile in the mortar or adhesive with 100% coverage.

Choose the appropriate notched trowel for floors or walls that are not even, re-plaster with Octopus tile adhesive to make them even. Use the notched edge of the trowel to add more mortar.

2



Mix the required quantity of tile adhesive, for loose plaster areas remove the defective material and re-plaster the area with Octopus tile adhesive.

The adhesive must be applied using the flat side of the trowel in a scraping motion for good even contact.

4



Let it air dry for 24 hours for a better result and clean the surface.

Remove the dust by cleaning the rear tile face with a damp sponge. Do not soak in water. Use a wet cloth or sponge to remove excess mortar or adhesive from the surface before it dries. The new construction should be curing for a minimum of 3-4 weeks.



HOW TO CHOOSE THE RIGHT TILE ADHESIVE?

- **THE RIGHT TYPE**

Do you need ready-made, premixed adhesive solutions or tile adhesives that come in powder form? Do you need tile adhesive waterproof? Are you using your tile adhesive for exterior or interior tile-laying processes? Make sure the type of adhesive you purchase exactly suits your application requirements. For instance, tile gum is suitable for laying small indoor ceramic tiles. For laying bigger-sized tiles, you will need tile adhesive chemicals that produce stronger bonds.

- **APPLICATION SURFACE**

What is the nature of the surface over which you are planning to install new tiles? Different types of tile adhesives suit different types of surfaces. For instance, tile adhesive waterproof is ideal for laying tiles near swimming pools. Premixed tile adhesive paste is better for installing smaller tiles indoors. Always check the types of surfaces the adhesives you plan to buy stick to.

- **WALL OR FLOOR?**









Both floor and wall tile adhesives need to offer super-strong bonding. But, they need to have some specific special properties as well. For instance, floor tiles require flexible adhesion. Floor traffic will cause floor tile adhesives to experience severe wear and tear. The adhesive you purchase for your floor tiles needs to be designed to tackle such challenges. On the other hand, wall tiles don't have gravity on their side. So, low-grip adhesives do not work with wall tiles.

- **SETTING TIME**

How quickly do you need to use your tiles once they are laid? Different types of tiles glue offer different setting times. Readymade, premixed adhesives set quicker than their powdered counterparts. So, if you are in a rush, choosing for readymade, premixed adhesives make sense.



CONFIRMED OCTOPUS TILE ADHESIVE STANDARDS

NO	CLASSIFICATION	UNITS OF MESUREMENT	REQUIREMENT AS PER IS15477-2019	OCTO - 1500 SUPER FLEX	OCTO - 1000 HIGH FLEX	OCTO -500 SILVER FLEX	CONFIRMS
1	Adjustment time	min	Shall not be less than that stated by manufacturer for (Type 2 & Type3)	35 min	30 min	20 min	
2	Slip (for vertical application) (T)	mm	Shall not be more than 0.5mm (Type 2 & Type3)	0.17 mm	0.20 mm	0.32 mm	T 
3	Deformability (for vertical application) (S1)	mm	<5.0 mm (Type 2 & Type3)	3.92 mm	3.50 mm	2.00 mm	S1 
4	Open time (E)	min	Open time shall not be less than stated by the manufacturer (Type 2 & Type 3)	35 min	30 min	20 min	E 
5	28 days adhesion strength (normal condition) tensile adhesion strength (C2)	N/mm ²	Type 2 - 1.00 min Type 3 - 1.50 min	1.68 (Type 3)	1.56 (Type 2)	1.38 (Type 2)	C1 
							C2 
6	28 days adhesion strength (water immersed condition) Tensile Adhesion strength (C2)	N/mm ²	Type 2 - 1.00 min Type 3 - 1.00 min	1.52 (Type 3)	1.40 (Type 2)	1.28 (Type 2)	C1 
							C2 
7	Shear adhesion strength 28 days at 70 +/- 3°c	N/mm ²	Type 2 - 1.25 min Type 3 - 1.50 min	1.70 (Type 3)	1.65 (Type 2)	1.30 (Type 2)	
8	Shear adhesion strength 28 days (water immersed condition)	N/mm ²	Type 2 - 1.00 min Type 3 - 1.00 min	1.55 (Type 3)	1.50 (Type 2)	1.20 (Type 2)	
				Type 3 C2TES1 	Type 2 C2TES1 	Type 2 C1TE 