

WATER PROOFING GUIDE

2016 EDITION

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Damp walls, cracks and patches ruin the beauty of your home and getting them fixed is not an easy task. Lack of expert guidance, diagnostics, and multiple solutions available in the market for each problem are some of the reasons behind this hassle. The Asian Paints team has been working hard to ensure you're able to address these bothersome issues with ease.

We're proud to present the 2016 edition of the Asian Paints SmartCare Waterproofing Guide, which is an attempt at demystifying the waterproofing world.

This comprehensive guide is designed to help you pick the right waterproofing solution for your home. The easy-to-use tool helps you identify and plug the most common waterproofing issues you face.

The guide is divided into two sections for ease of usage. In the first section we offer our solutions to the most common waterproofing issues in old homes. The second section gives an overview about useful products and solutions while building new homes. These are essentially preventive solutions to waterproof your home.

THE SMART CARE EDGE

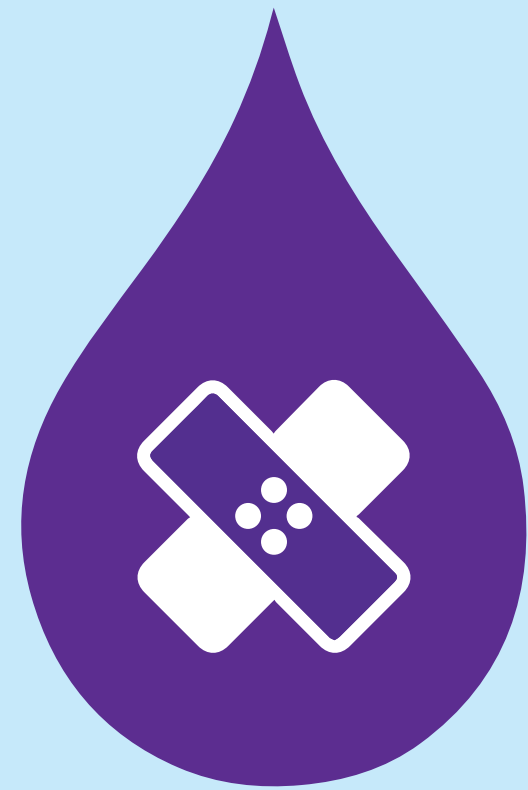
SmartCare, the waterproofing brand from Asian Paints, is built on the trusted values and legacy of Asian Paints. Creating beautiful homes for end consumers has always been our aim. SmartCare offers a comprehensive range of innovative and hi-tech waterproofing solutions with an assured performance.

Dedicated experts from our Research & Development division are constantly working to create innovative and technologically superior products for assured, long-term relief in the area of waterproofing. Waterproofing is critical in maintaining the health of your home, which in turn takes care of your health.

Effective waterproofing prevents damage from water seepage, which can ruin the structural integrity of your home. Moreover, waterproofing at the right time avoids the hassle and expense of recurring repairs. We understand the importance of proper diagnostics when it comes to waterproofing. This is crucial in providing the appropriate solution for any waterproofing issue.

To cater to this need, we have created different fulfillment structures and you can conveniently pick one depending on your need. We offer waterproofing services through Asian Paints Ezycolour Home Solutions in select cities and have trained waterproofing contractors across the country as well.

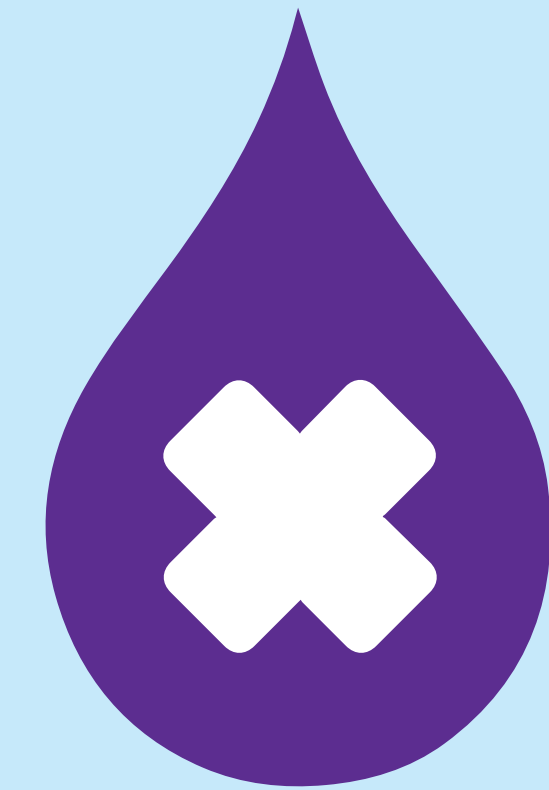
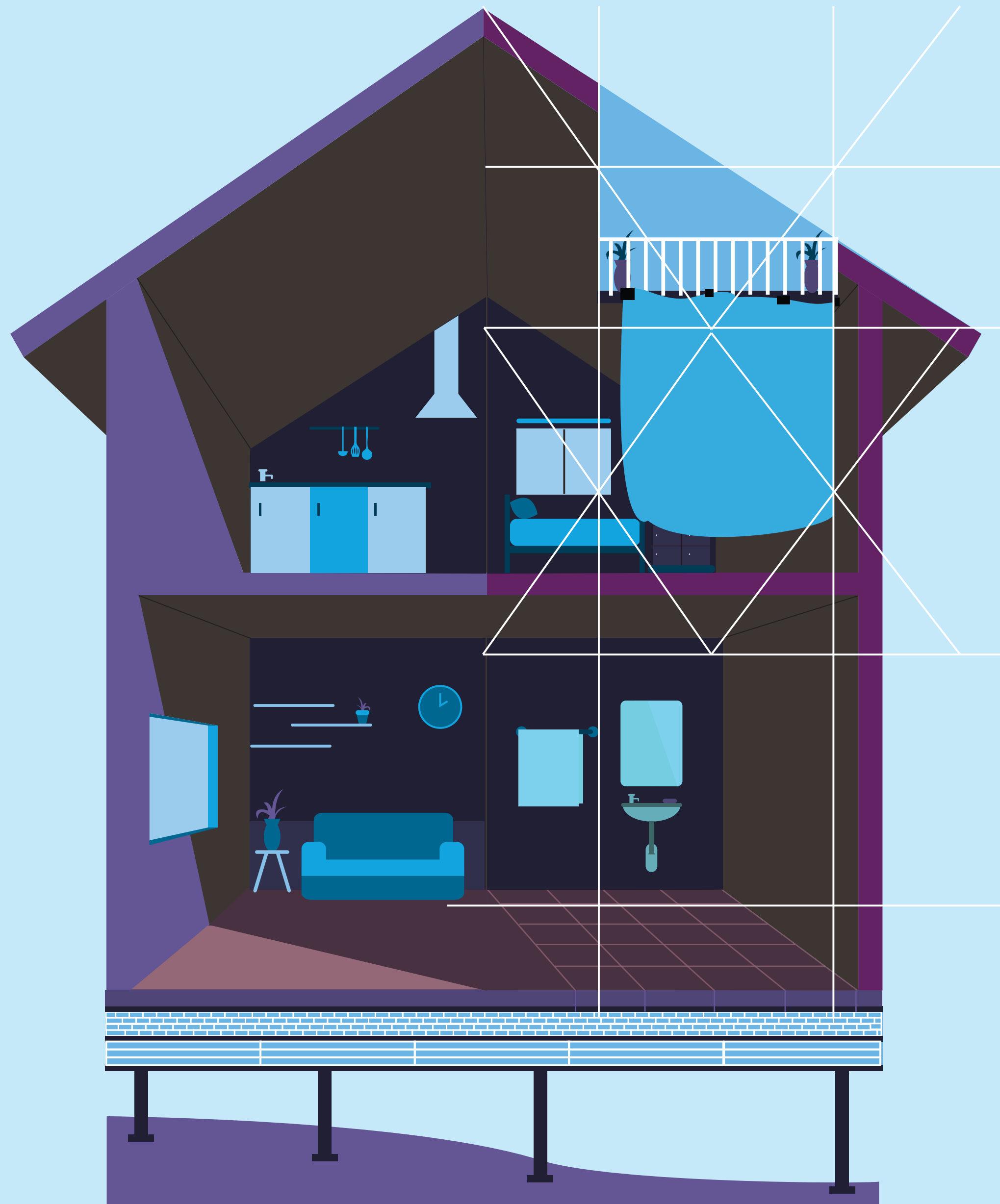
HOW TO USE THIS GUIDE



CURE

Facing a waterproofing problem? Fix it!

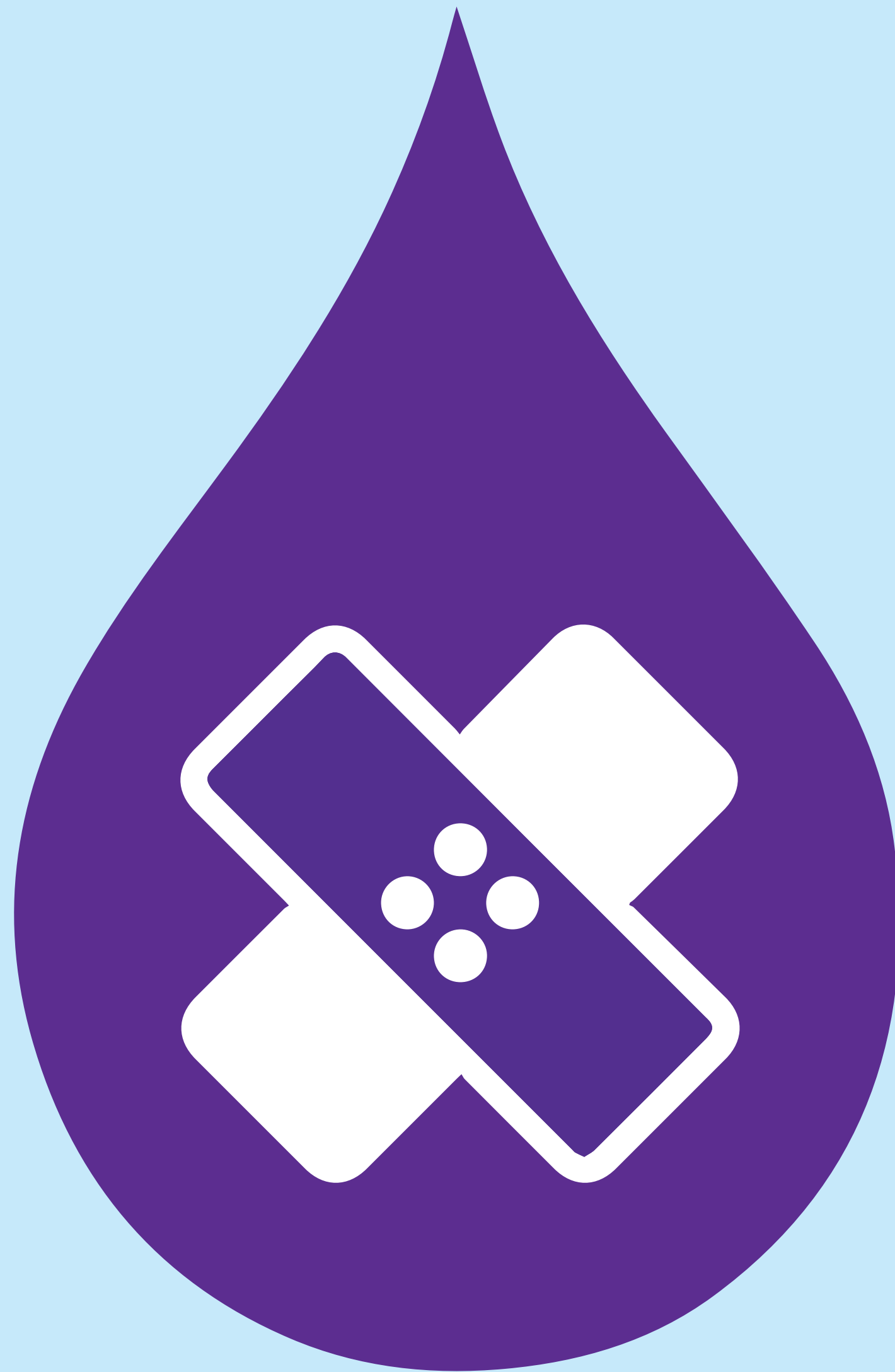
Is your building an old construction? Have you made changes to the structure over the years? Over a period of time, you may have experienced issues related to leakage and dampness. Ignoring these won't help; in fact, the damage only worsens when left unattended. We'll enable you to spot the problem and fix it in a convenient and lasting way.



PREVENTION

Building a new home? Prevent waterproofing issues!

Prevention is better than cure, an apt saying when it comes to waterproofing. The right time to waterproof your home is at the construction stage. This is as necessary as laying a solid foundation. From the foundation to the terrace, we have a range of waterproofing solutions which will help you waterproof your home with ease. All this so that you can enjoy years of hassle-free living in your cherished home



CURE

The Asian Paints SmartCare approach to spotting and fixing waterproofing problems

DAMPNESS

- 1) Above interior floor and skirting levels
- 2) Interior mid-level patches
- 3) Interior window patches
- 4) Interior ceiling patches
- 5) Interior efflorescence
- 6) Exterior Dampness

LEAKS

- 7) Active leaks in interior walls
- 8) Active leaks in interior ceilings
- 9) Active leaks in exterior walls

CRACKS

- 10) Interior Wall Cracks
- 11) Exterior Wall Cracks
- 12) Cracks in terrace tiles

DAMPNESS

Dampness is when the walls are moist, humid, and cold to the touch but there is no visible evidence of active water. In some cases, damp walls also have a white & powdery salt on the surface known as efflorescence

INTERIOR DAMPNESS

1.1 Dampness on interior walls above the floor and skirting Levels

PROBLEM

RISING GROUND WATER

Walls (up to a height of 3 to 4 feet from the floor) become damp because of rising ground water, through capillary action. This is common in areas with a high water table, and is usually accompanied by efflorescence (white, powdery salt deposits). Efflorescence emerges at the brick level and attacks the plaster, making it loose and chalky. All subsequent putty or paintwork applied over the plaster will therefore not last.

SOLUTION

1.1A MODERATE DAMPNESS

- Start by removing loose plaster from damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- On damp patches without efflorescence, apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Start painting based on recommended painting procedure.

1.1B EFFLORESCENCE

Where interior walls are severely affected by efflorescence it is important to first stop its effect.

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster this area using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

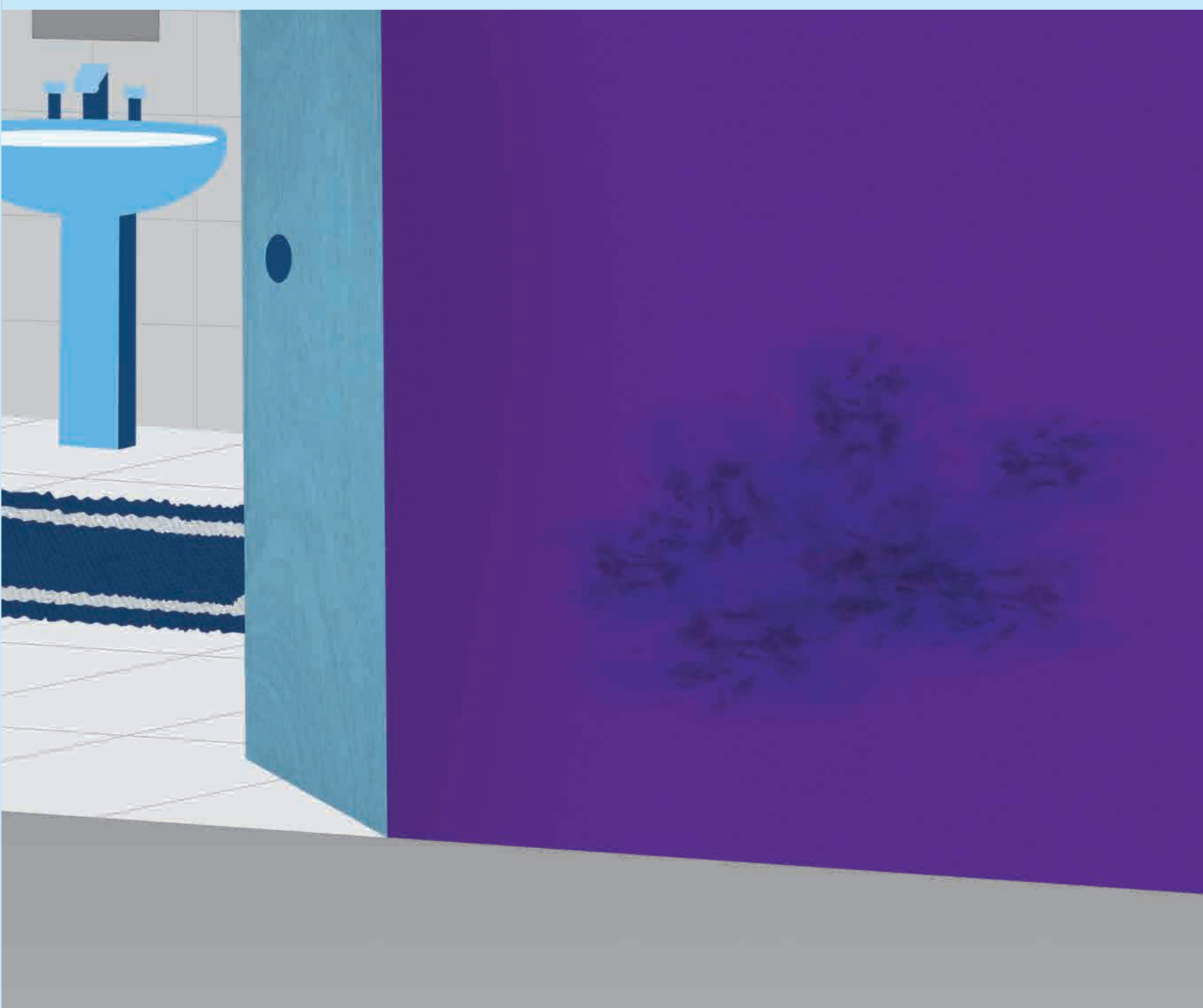


1.2 Dampness on interior walls above the floor and skirting Levels

PROBLEM

LEAKS FROM ADJOINING WET AREAS: KITCHEN/ BATHROOM

Leaks from adjoining wet areas like kitchens and bathrooms. Leaks from wet areas like kitchens and bathrooms arise from faults in plumbing pipes, AC pipes, sanitary fittings or the wearing away of joints between tiles.



SOLUTION

1.2A MODERATE DAMPNES

- Identify and plug the source of the leak with the help of an experienced plumber
- Refill the joints between the tiles with **Asian Paints SmartCare Cement/ Epoxy Grout**.
- For damp patches on the walls, remove loose plaster from the damaged areas and re-plaster this area using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per recommended painting procedure.

1.2B EFFLORESCENCE

Identify and plug the leakage as described previously.

For interior walls severely affected by efflorescence:

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

2.1 Mid-level damp patches on interior walls

PROBLEM

LEAKS FROM ADJOINING WET AREAS: KITCHEN OR BATHROOM

Leaks from wet areas like kitchens and bathrooms arise from faults in plumbing pipes, AC pipes, sanitary fittings or the wearing away of joints between tiles.



SOLUTION

2.1A MODERATE DAMPNES

- Identify and plug the source of the leak with the help of an experienced plumber
- Refill the joints between the tiles with **Asian Paints SmartCare Cement/ Epoxy Grout**.
- For damp patches on the walls, remove loose plaster from the damaged areas and re-plaster this area using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per recommended painting procedure.

2.1B SEVERE EFFLORESCENCE

Identify and plug the leakage as described previously. For interior walls severely affected by efflorescence:

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

2.2 Mid-level damp patches on interior walls

PROBLEM

RAIN WATER INGRESS FROM DEFECTS IN EXTERIOR WALLS

These waterproofing issues occur from cracks and weakened joints in the exterior walls, paint degradation, or poor maintenance, which results in rainwater seeping into the walls and causing dampness or seepage.



SOLUTION

2.2A MODERATE DAMPNESS

- Start by identifying cracks in the exterior walls and repair them with **Asian Paints SmartCare Crack Seal/SmartCare Exterior Crack Filler**.
- Follow this by applying any **Asian Paints exterior emulsion** coating.
- For damp patches on the interior walls, remove loose plaster from the damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per the recommended painting procedure.

2.2B EFFLORESCENCE

Treat exterior walls as previously described. For interior walls severely affected by efflorescence, it is important to first stop its effect:

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster this area using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

3.1 Dampness in interior walls around window frames

PROBLEM

RAIN WATER INGRESS FROM DEFECTS IN EXTERIOR WALLS

Gaps or joints between window frames and walls can result in rainwater travelling into the walls and causing damp patches.



SOLUTION

3.1A MODERATE DAMPNESS

- Start by identifying cracks in the exterior walls and repair them with **Asian Paints SmartCare Crack Seal / Exterior Crack Filler**.
- Where there are gaps between the window frames and walls, fill these with **Asian Paints SmartCare Akrylmax** or **Unyverseal Sealants**.
- Apply any **Asian Paints exterior emulsion** coating.
- For damp patches in the interior walls, remove loose plaster from the damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per the recommended painting procedure.

3.1B SEVERE EFFLORESCENCE

Treat exterior walls as described previously. For interior walls severely affected by efflorescence, it is important to first stop its effect:

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

3.2 Dampness in interior walls around window frames

PROBLEM

RAIN WATER SEEPAGE FROM DEFECTS IN EXTERIOR WALLS

These waterproofing issues occur when there are cracks and weakened joints in the exterior walls, paint degradation, or poor maintenance, which results in rainwater seeping into the walls and causing dampness or seepage.



SOLUTION

3.2A MODERATE DAMPNESS

- Start by identifying cracks in the exterior walls and repair them with **Asian Paints SmartCare Crack Seal/SmartCare Exterior Crack Filler**.
- Then apply any **Asian Paints exterior emulsion** coating.
- For damp patches in the interior walls, remove loose plaster from the damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per the recommended painting procedure.

3.2B EFFLORESCENCE

Treat exterior walls as described previously. For interior walls severely affected by efflorescence, it is important to first stop its effect:

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

4.1 Interior ceiling patches

PROBLEM

LEAKS IN THE KITCHEN OR BATHROOM FROM THE FLOOR OR APARTMENT ABOVE

Dampness or seepage in ceilings occur through leaks from wet areas like kitchens and bathrooms from the floor/apartment above. These failures arise from faults in plumbing pipes, AC pipes, sanitary fittings, or the wearing away of joints between tiles.



SOLUTION

4.1A MODERATE DAMPNESS

- Identify and plug the source of the leak in the floor above with the help of an experienced plumber, as this will prevent the problem from recurring.
- For best results and to prevent this problem from recurring, re-waterproofing of washrooms or kitchens should be done using **Asian Paints SmartCare Damp Block 2K** or **Asian Paints SmartCare Bathroom Waterproofing Membrane**.
- In all wet areas like washrooms and kitchens, the tiling/flooring should be checked for soundness. If there are any open joints between the tiles, refill with **Asian Paints SmartCare Cement/Epoxy Grout**.
- Repair or re-plaster as needed, with **Asian Paints SmartCare Vitalia** integral waterproofing compound. Re-paint the ceilings as per the recommended painting system.

4.2 Interior ceiling patches

PROBLEM

LEAKS FROM TERRACE

Leaks from terraces occur from cracks in the terrace slab, blockage in the drainage pipes, waterlogging because of improper drainage, or from active leaks in water tanks.



SOLUTION

4.2A FOR CRACKS IN TERRACE SLAB

- Check the drainage pipes on the terrace for any blockage or clogging.
- Check the terrace slab for cracks and soundness. All cracks up to 3 mm width can be filled with **Asian Paints SmartCare Crack Seal**; wider cracks up to 10 mm can be filled with **Asian Paints SmartCare Textured Crack Filler**. In case of bigger, loose cracks, repair with cement-sand-mortar, treated with **Asian Paints SmartCare Multi Purpose Polymer**.
- Re-waterproof and envelop the entire terrace and parapet walls with **Asian Paints SmartCare Damp Proof** waterproofing coating.

4.2B FOR CEMENTITIOUS TANKS

- Inspect the tank interior and exteriors for any cracks. Repair these as described earlier.
- Waterproof the tank interior using **Asian Paints SmartCare Tri Block Epoxy** waterproofing coating, meant for waterproofing cementitious water tanks.

5.0 Interior walls affected by efflorescence

PROBLEM

HIGH SALT CONTENT IN GROUND WATER & BRICKS

Migration of salt to the walls where it forms a white powdery coating is called efflorescence. It occurs when there is high salt content in ground water or masonry bricks. Salt migrates to the surface of the walls due to the presence of active water or water vapor caused by leakages or rising ground water. When the water evaporates, it leaves behind salts which de-bond the plaster making it weak and chalky. All subsequent paint films over the plaster don't last.



SOLUTION

5.0A MODERATE DAMPNES

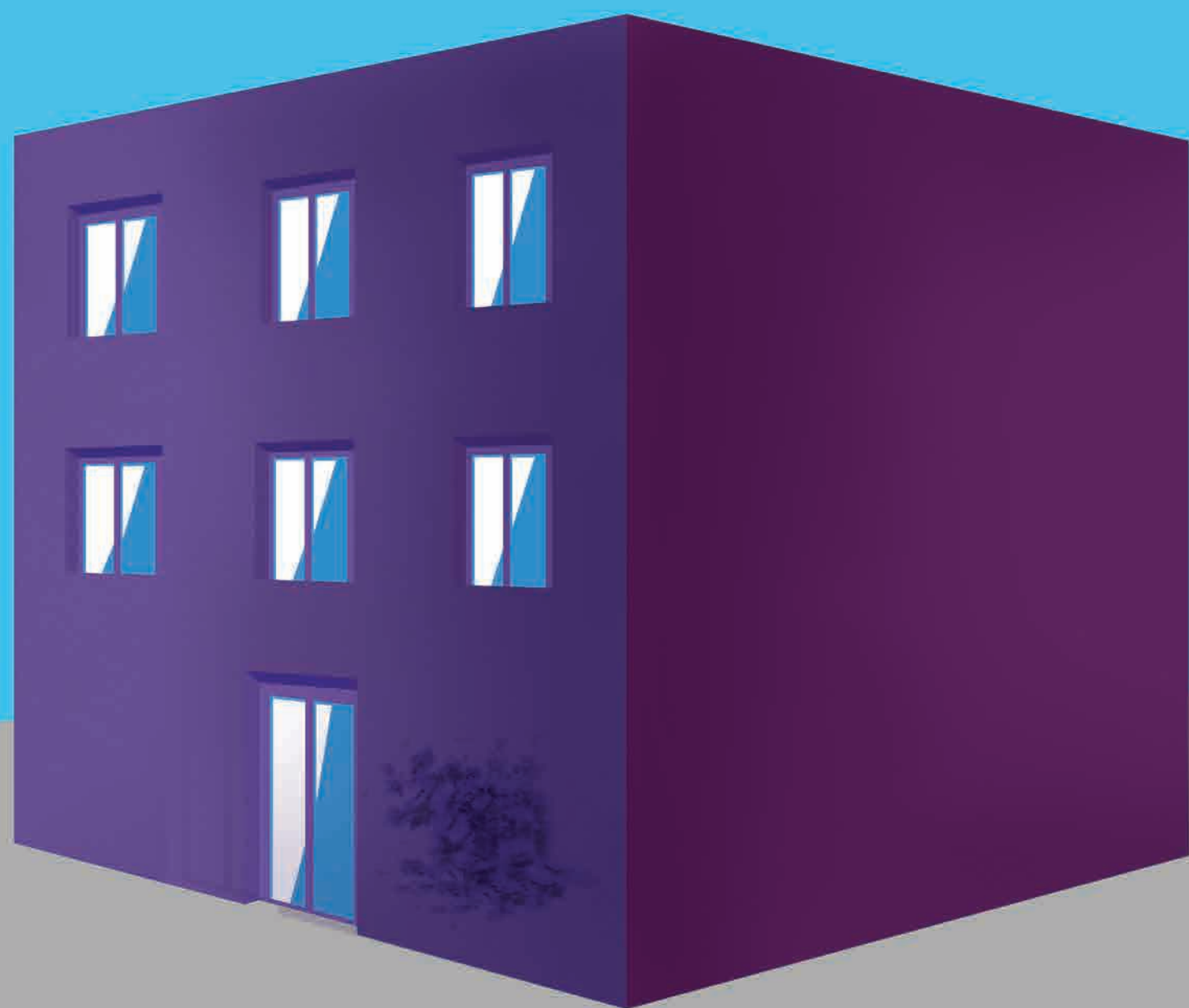
- For interior walls severely affected by efflorescence, remove all the loose plaster up till the brick level.
- This system only works if applied on the bricks, since efflorescence originates at the brick level.
- Apply 2 coats **SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster with **Asian Paints SmartCare Vitalia** integral waterproofing liquid.
- Finish with painting as per the recommended painting procedure.

6.1 Dampness in exterior Walls

PROBLEM

RISING GROUND WATER

Walls (up to a height of 3 to 4 feet from the floor) become damp because of rising ground water, through capillary action. This is common in areas with a high water table, and is usually accompanied by efflorescence (white, powdery salt deposits). Efflorescence occurs at the brick level and attacks the plaster, making it loose and chalky. All subsequent putty or paintwork applied over the plaster will therefore not last.



SOLUTION

6.1A MODERATE DAMPNESS

- Start by removing loose plaster from the damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- For damp patches without efflorescence, apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per the recommended painting procedure for exterior walls.

6.1B EFFLORESCENCE

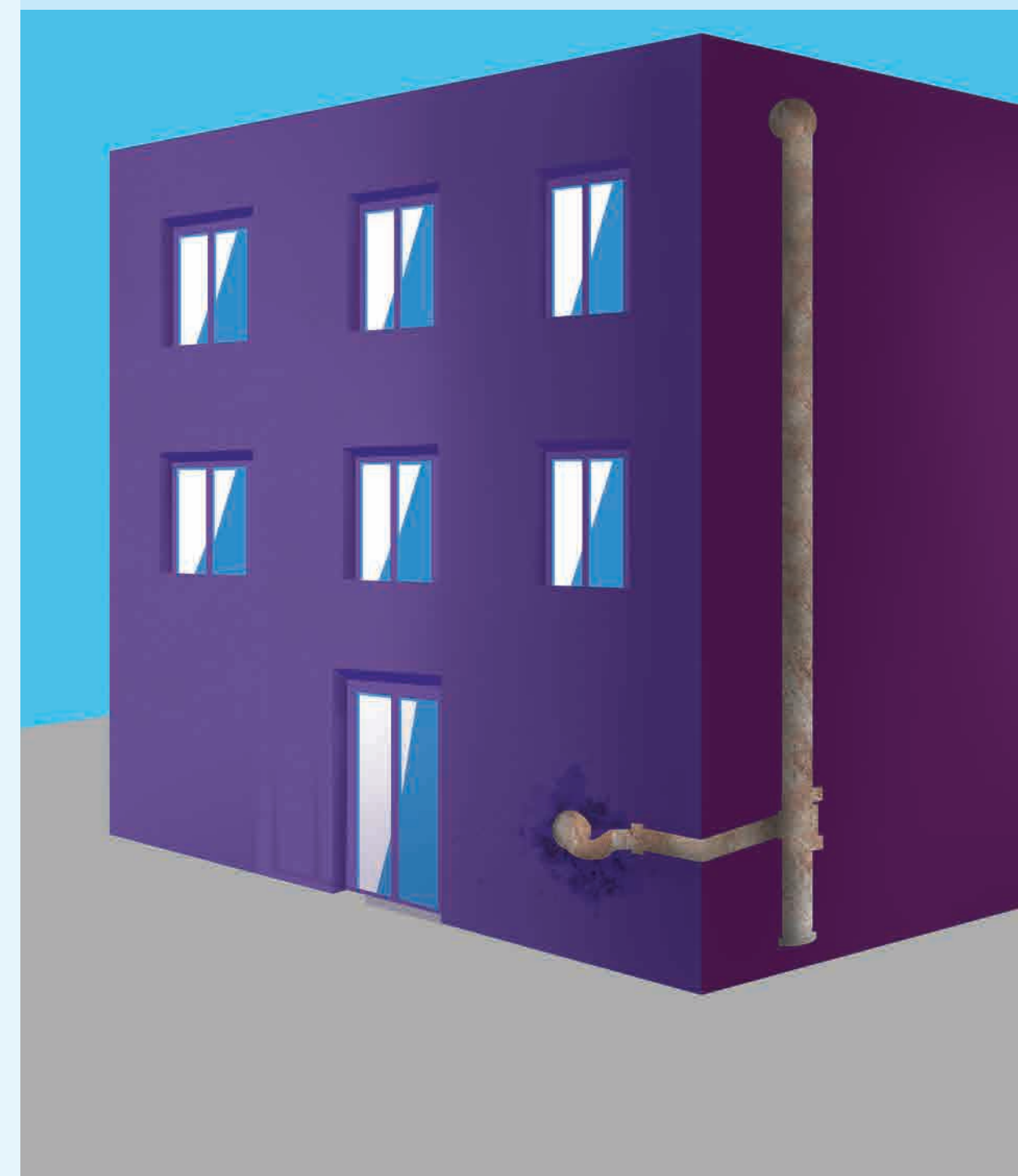
- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

6.2 Dampness in exterior Walls

PROBLEM

LEAKS FROM ADJOINING WET AREAS LIKE THE KITCHEN OR BATHROOMS (INSIDE THE HOME)

Dampness in exterior walls can be traced to adjoining wet areas like kitchens and bathrooms (inside the house) because of faults in plumbing pipes, AC pipes, sanitary fittings, or the wearing away of joints between tiles.



SOLUTION

6.2A FOR CRACKS UPTO 3 MM

- Identify and plug the source of the leak in the adjoining washroom/ kitchen with the help of an experienced plumber.
- Refill the joints between the tiles with **Asian Paints SmartCare Cement/ Epoxy Grout**.
- For damp patches in the walls, remove loose plaster from the damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.

6.2B EFFLORESCENCE

Identify and plug the leakage as previously described. For exteriors walls severely affected by efflorescence:

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.

LEAKAGES

Water dripping from the walls or ceilings is a visual representation of active leaks. This may happen because of plumbing failure in concealed pipes, high groundwater table, cracks in exterior walls leading to rainwater seeping in or seepage from adjoining leaking walls of wet areas like bathrooms and the kitchen. Leaks can cause dampness, inconvenience and spoil household items if not arrested in time.

INTERIOR LEAKS

7.0 Active leaks in interior walls

PROBLEM

LEAKS FROM WET AREAS LIKE KITCHENS OR BATHROOMS

Leaks from adjoining wet areas like kitchens and bathrooms arise from faults in plumbing pipes, AC pipes, sanitary fittings or the wearing away of joints between tiles.

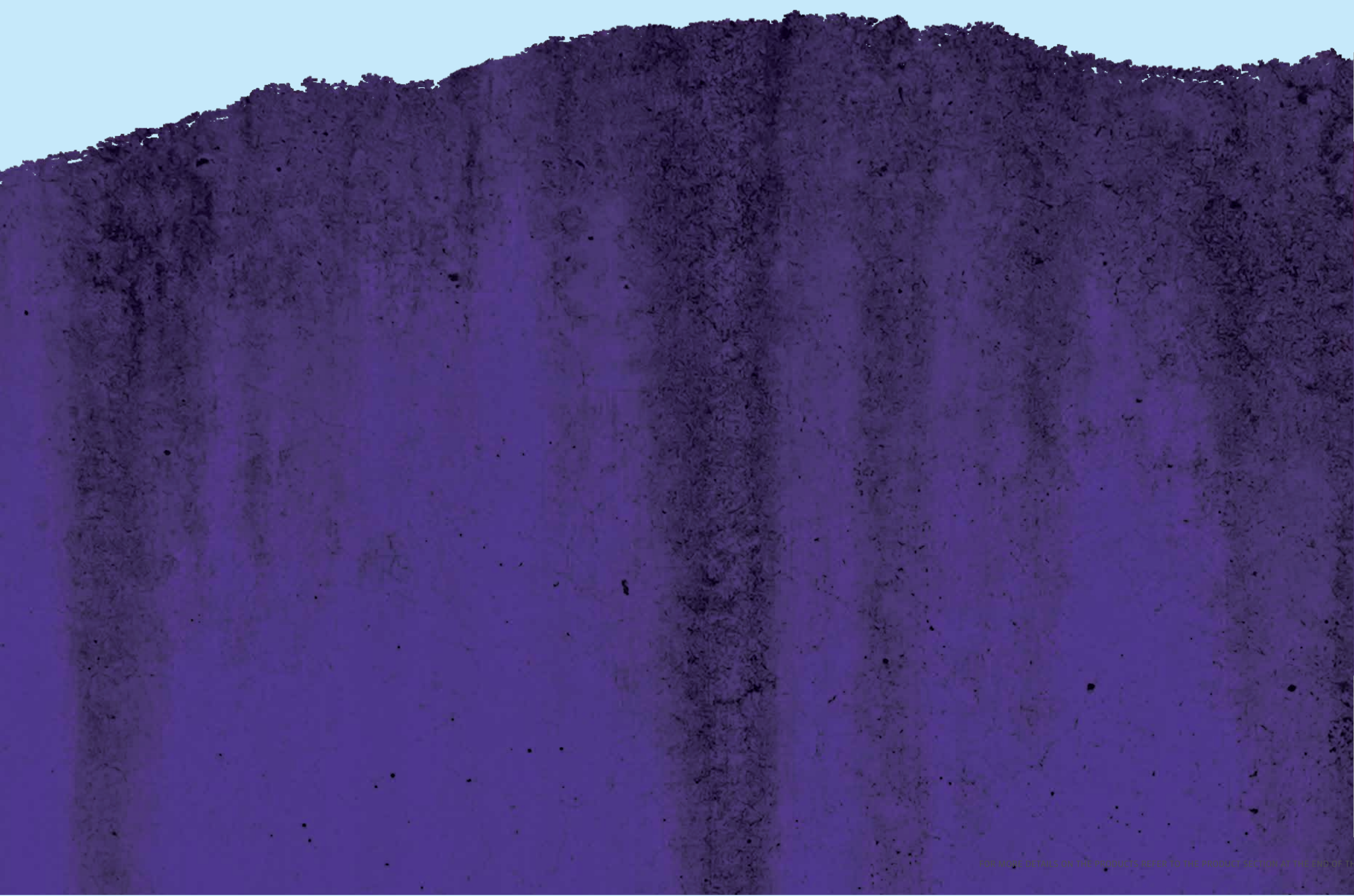
SOLUTION

7.0A MODERATE DAMPNESS

- Identify and plug the actual source of the leak in the plumbing pipes. It is recommended that an experienced plumber inspect the pipes and fitting to ascertain the real cause.
- All existing gaps between tiles should be filled with **Asian Paints SmartCare Cement/ Epoxy Grout**.
- Repair the damaged walls or re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Where there are damp patches, apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.
- Paint as per the recommended painting procedure.

7.0B EFFLORESCENCE

- Remove all loose plaster up to the brick level from the affected area.
- Remove all loose material with the help of a wire brush.
- Apply **Asian Paints SmartCare Damp Block 2K** waterproofing coating directly on the bricks.
- Re-plaster using **Asian Paints SmartCare Vitalia**.
- Finish with painting.



8.0 Active leaks in interior ceilings

PROBLEM

LEAKS FROM TERRACE OR ROOF ABOVE

Leaks from cracks in the terrace slab, blockage in the drainage pipes, waterlogging due to improper drainage on the terrace floor or leaks from water tanks.



SOLUTION

8.0A FOR LEAKS FROM TERRACE

- Check the drainage pipes on the terrace for any blockage or clogging.
- Check the terrace slab for cracks, holes and overall soundness. All cracks up to 3 mm width can be filled with **Asian Paints SmartCare Crack Seal**; wider cracks up to 10 mm can be filled with **Asian Paints SmartCare Textured Crack Filler**.
- In case of bigger, loose cracks, repair with cement-sand-mortar treated with **Asian Paints SmartCare Multi Purpose Polymer**.
- Re-waterproof and envelop the entire terrace and parapet walls with **Asian Paints SmartCare Damp Proof** waterproofing coating.

8.0B FOR CEMENTITIOUS CRACKS

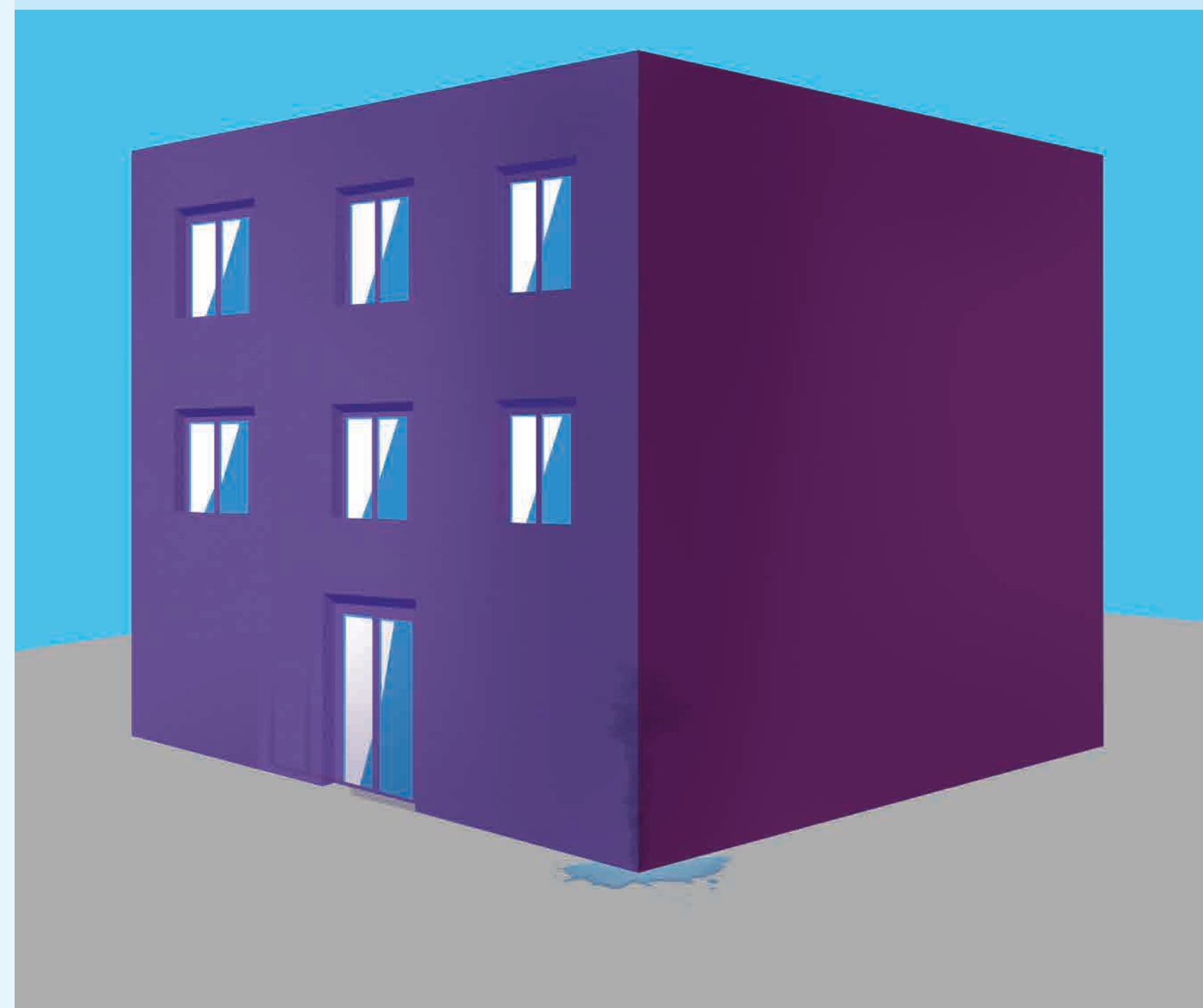
- Inspect the tank interior and exteriors for any cracks. Repair these as previously described.
- Waterproof the tank interior using **Asian Paints SmartCare Tri Block Epoxy** waterproofing coating, meant for waterproofing cementitious water tanks.

9.0 Active leaks in exterior walls

PROBLEM

LEAKS FROM KITCHENS OR BATHROOMS

Leaks in exterior walls occur from adjoining wet areas like kitchens and bathrooms (inside the house) from faults in plumbing pipes, AC pipes, sanitary fittings, or the wearing away of joints between tiles.



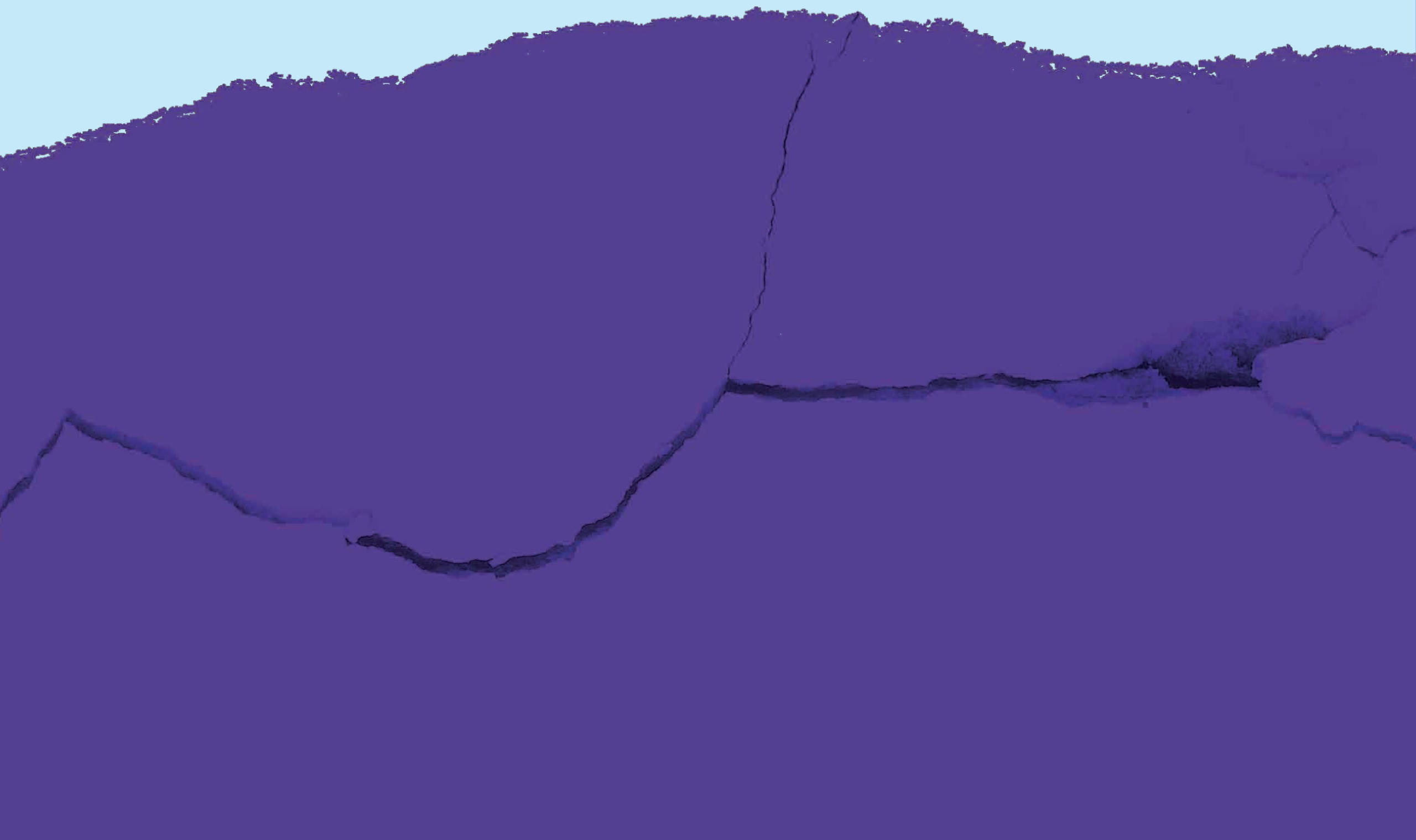
SOLUTION

9.0A ACTIVE LEAKS

- Identify and plug the source of the leak in the adjoining washroom/ kitchen with the help of an experienced plumber.
- Refill the joints between the tiles with **Asian Paints SmartCare Cement/ Epoxy Grout**.
- Where there are damp patches on the walls, remove loose plaster from the damaged areas and re-plaster using **Asian Paints SmartCare Vitalia**, an integral waterproofing compound.
- Apply **Asian Paints SmartCare Damp Block** waterproofing coating directly on the repaired plaster level.
- Allow to cure.

CRACKS

Cracks in plastered walls are common especially in older homes. Plaster cracks may result from stress caused by movement in the structure. One of the biggest reasons for cracks to appear is change in ambient moisture & temperature levels and different expansion coefficients between mortar plaster, bricks, concrete and steel. Also, at the time of fresh construction, if the correct cement-sand ratio is not maintained, it may result in cracks.



INTERIOR CRACKS

10.0 Interior Wall Cracks

PROBLEM

CRACK IN WALLS ON MASONRY OR POP SURFACES

Cracks in interior walls are caused due to movements in the structure, changes in temperature and moisture, and because of deficiencies in the cement and sand ratio at the time of construction.



SOLUTION

10.0A MODERATE DAMPNESS

- a) Check the plaster for soundness and bonding. If the plaster is damaged, re-plaster the surface using **Asian Paints SmartCare Vitalia**. Allow to cure.
- b) All existing cracks up to 3 mm width can be filled with **Asian Paints SmartCare Crack Seal**. For bigger, loose cracks, repair with cement-sand-mortar treated with **Asian Paints SmartCare Multi-Purpose Polymer**.
- c) To prevent cracks from reappearing on the entire wall surface, use **Asian Paints SmartCare Crack Shield** crack treatment solution, which provides edge-to-edge protection.
- d) In case of any dampness- related issue, refer the section on interior dampness or leaks.

11.0 Exterior Wall Cracks

PROBLEM

CRACKS IN WALLS ON MASONRY SURFACES

Cracks can come in all shapes and sizes. However most fractures in your walls will allow water to slowly seep into the house and possibly cause dampness.



SOLUTION

11.0A FOR TERRACE SLAB CRACKS

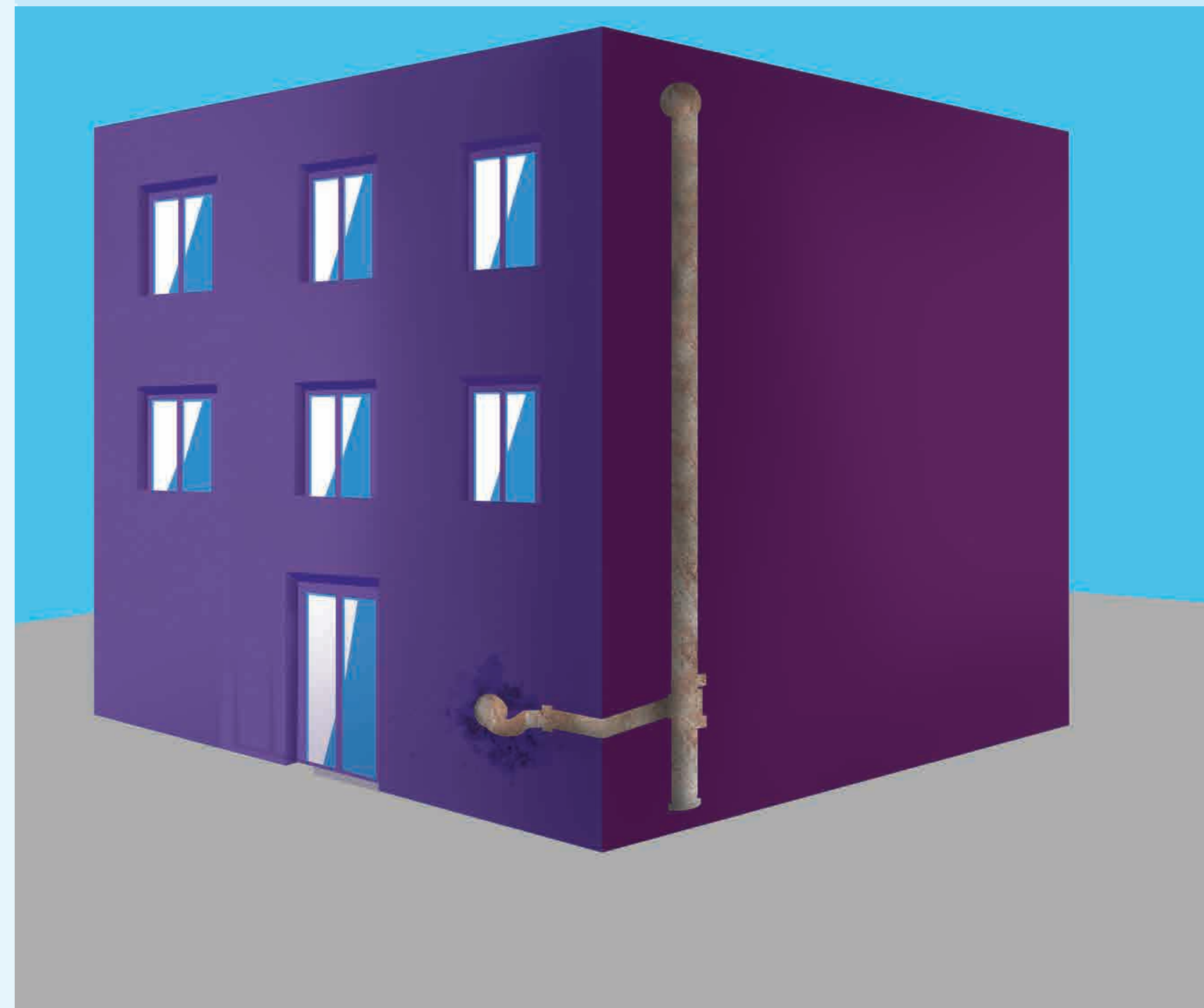
- a) Check the plaster for soundness and bonding. If the plaster is damaged, re-plaster the surface using Asian Paints SmartCare Vitalia. Allow to cure.
- b) All existing cracks up to 3 mm width can be filled with Asian Paints SmartCare Crack Seal. For cracks greater than 3 mm width, use Asian Paints SmartCare Textured Crack Filler. For bigger, loose cracks, repair using cement-sand-mortar treated with Asian Paints SmartCare Multi-Purpose Polymer.
- c) For any dampness-related issues, refer the section on exterior dampness or leaks.

12.0 Cracks in terrace tiles

PROBLEM

CRACKS IN HORIZONTAL TERRACE SLABS

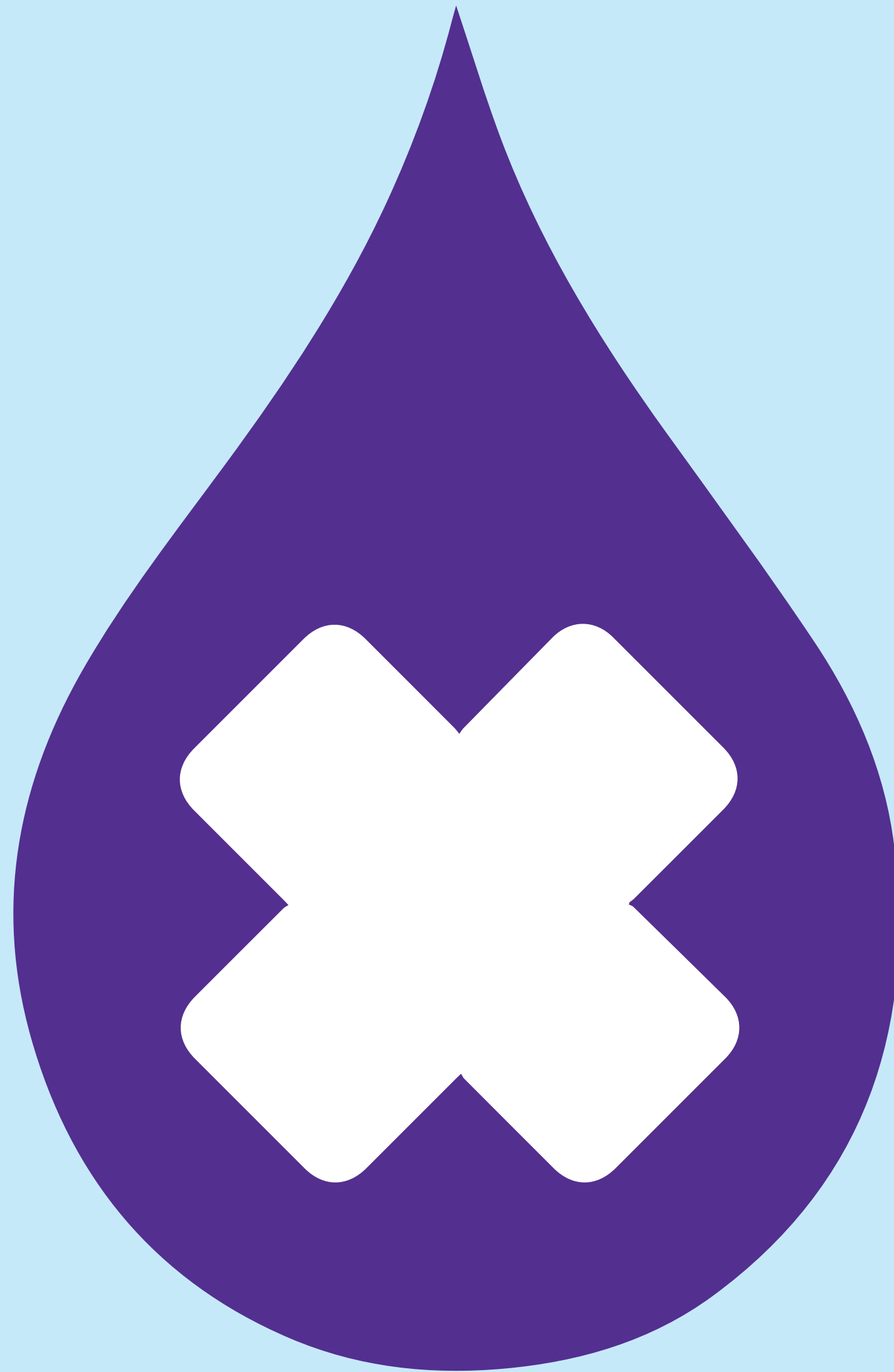
Cracks in the terrace slabs appear due to movement and settling of the slabs, temperature variations, and the differential expansion properties between the slab and the parapet walls.



SOLUTION

12.0A TERRACE CRACKS

- a) Check the terrace slab for cracks, holes and overall soundness. All cracks up to 3 mm width can be filled with Asian Paints SmartCare Crack Seal; wider cracks up to 10 mm can be filled with Asian Paints SmartCare Textured Crack Filler.
- b) For bigger, loose cracks, repair using cement-sand-mortar treated with Asian Paints SmartCare Multi Purpose Polymer.
- c) Re-waterproof and envelop the entire terrace and parapet walls with Asian Paints SmartCare Damp Proof waterproofing coating.



PREVENTION

The Asian Paints SmartCare approach to waterproof a new home

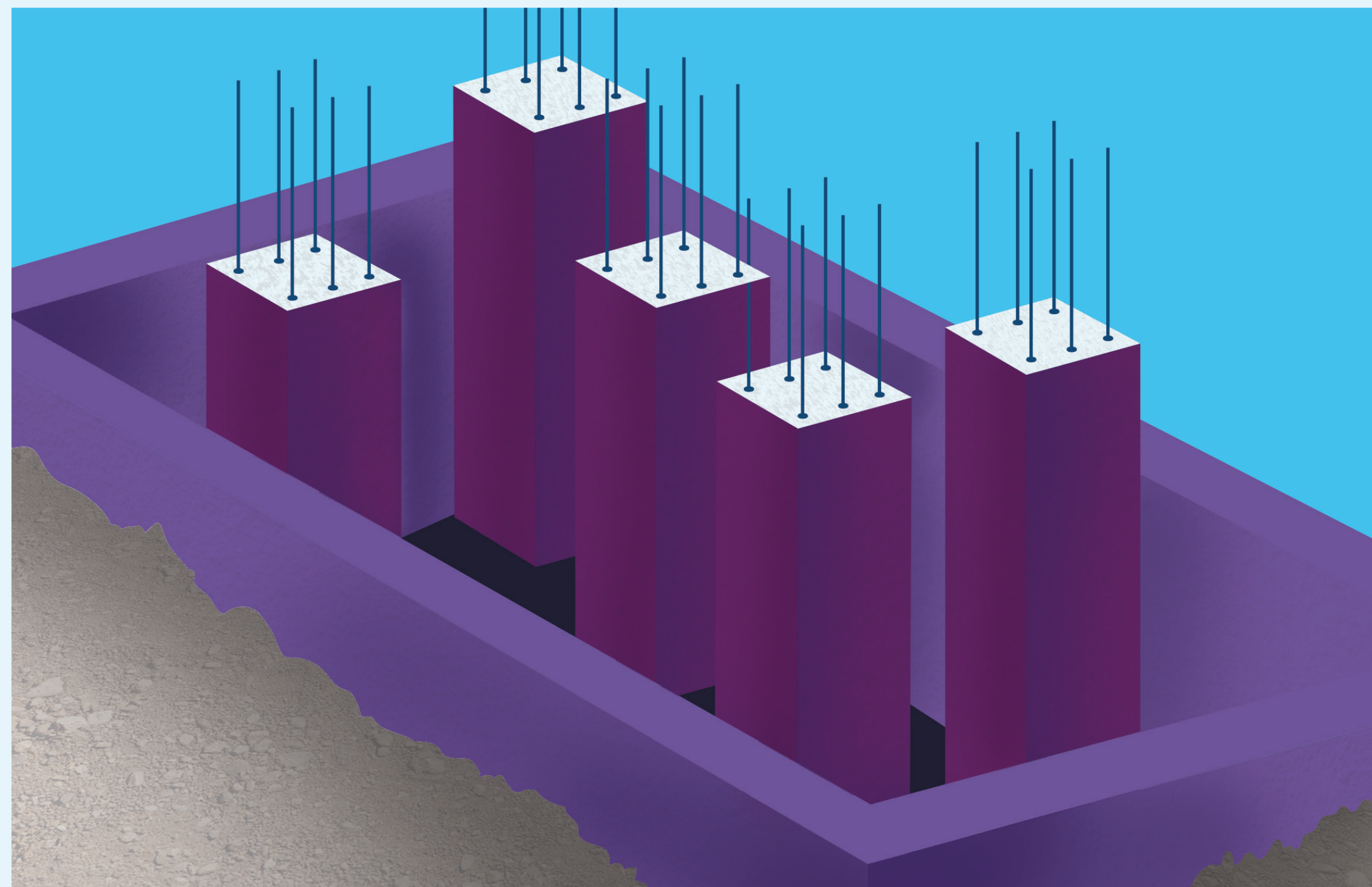
PREVENTIVE SOLUTIONS

- 1) Laying Foundations
- 2) Cement-related construction
- 3) Bathrooms
- 4) Tiling jobs
- 5) Terraces
- 6) Window and door joints
- 7) Cement water tanks
- 8) Comprehensive Solution

1.0 Laying Foundations

PLINTH, BEAMS AND COLUMNS WHICH ARE THE BACKBONE OF A HOUSE

Due to the capillary movement of water, the water rises from the soil to the building. As it passes through the foundation, it rises higher and reaches the walls. To prevent the water from reaching the walls, a damp-proofing course should be laid at the plinth level.



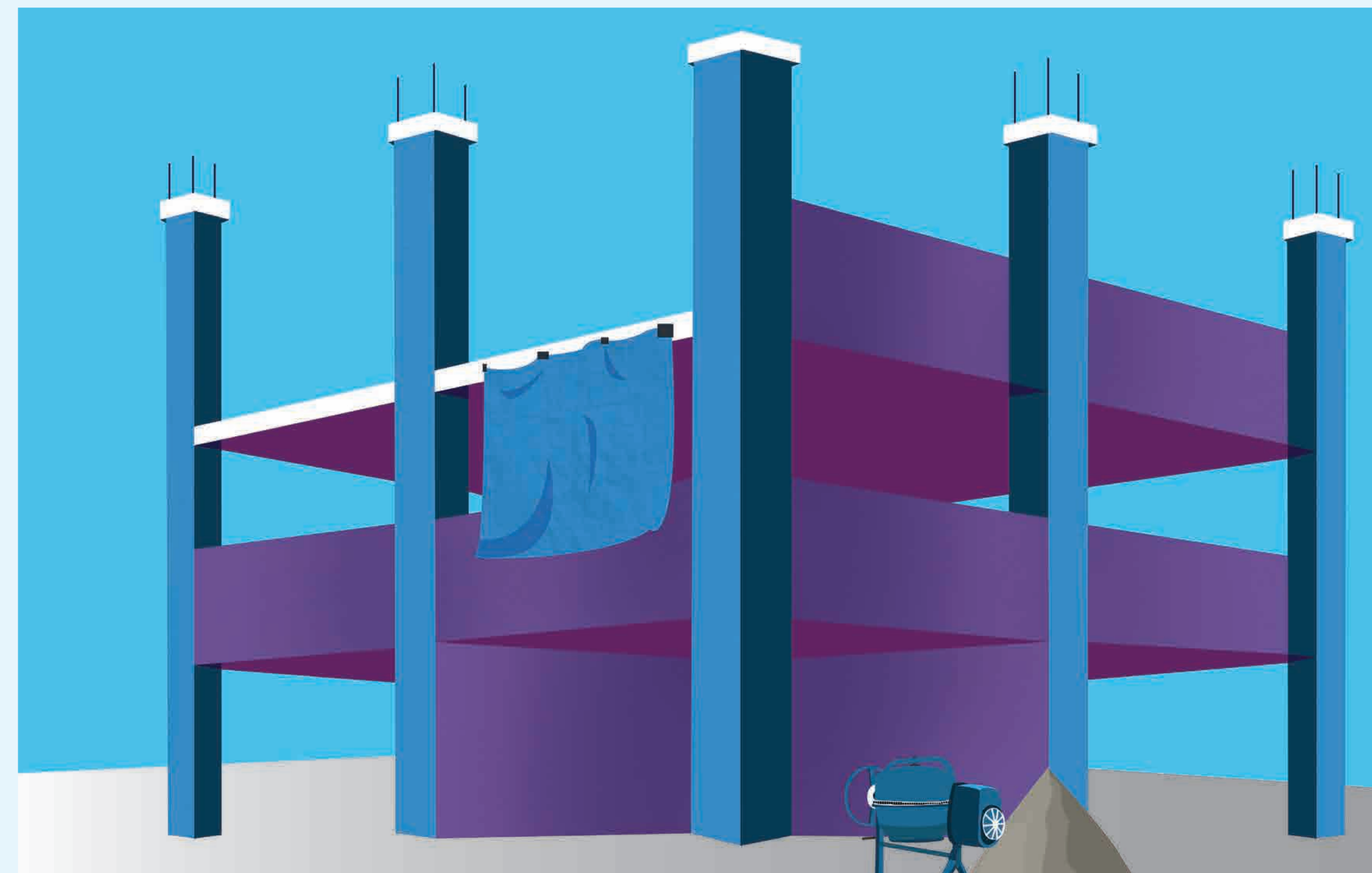
SOLUTION

Asian Paints SmartCare Vitalia
SmartCare Vitalia is a high-end yet economical chemical, which is added to concrete during the mixing stage. It breaks the micro capillaries formed in concrete after setting, and as a result, water is prevented from moving through concrete to cause waterproofing issues in the structure and walls. Integral Waterproofing for all cement-related construction

2.0 Cement-related Construction

CEMENT IS USED IN ALMOST ALL CONSTRUCTION FOR PLASTERING AND LAYING CONCRETE.

However, by its very nature, cement shrinks over time, which results in cracks in the plaster or concrete. The water-cement ratio, if not maintained, causes capillaries to form and results in damp and leaks.



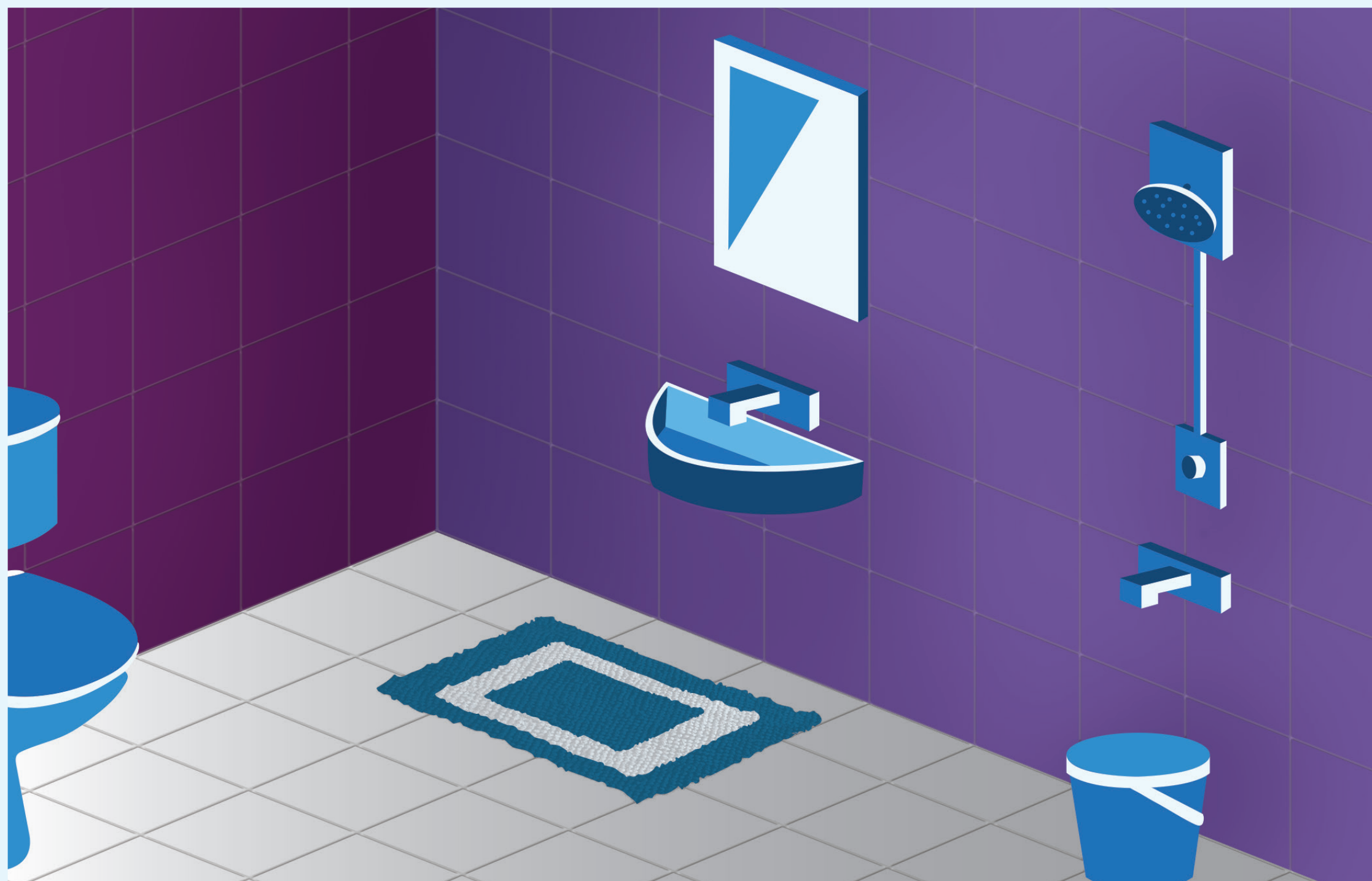
SOLUTION

Asian Paints SmartCare Vitalia
When added to cement, SmartCare Vitalia enhances the workability of the plaster mix, thus reducing the need for water. Less water in the plaster improves its compressive strength, water permeability reduces and surface crack formation is minimised.

3.0 Bathrooms

SUNKEN SLABS IN BATHROOMS AND ALL SANITARY JOINTS MUST BE CHECKED BEFORE TILING IS COMPLETED.

The bathroom area is exposed to water everyday. If the bathroom is not waterproofed during construction, repairing a leaking bathroom becomes a very lengthy and expensive process.



SOLUTION 1

Asian Paints SmartCare Bathroom Waterproofing Membrane

This is a high-end, imported, under-tile application waterproofing solution, which completely blocks water. It doesn't allow water or water vapour to pass through the washroom, kitchen and other wet areas, and gives full protection to your walls, ceilings (in the floor below) and other adjoining areas. This solution-assured durable performance comes with a 10-year warranty.

SOLUTION 2

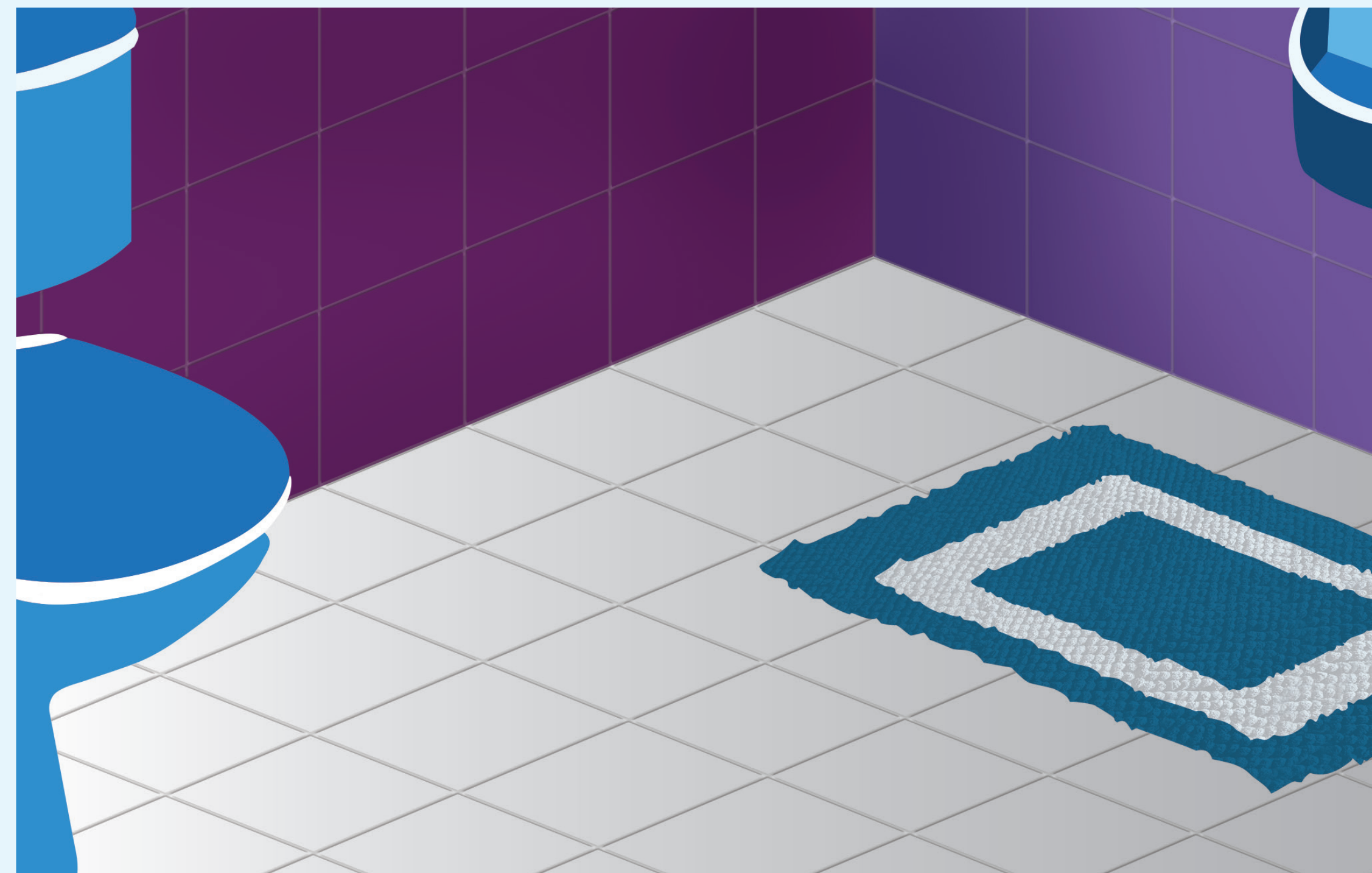
Asian Paints SmartCare Damp Block 2K

This is an economical yet extremely effective, easy-to-apply solution for your washrooms and other wet areas. It can be applied directly on the sunken slab and followed by tiling with tile adhesives.

4.0 Tiling-jobs

THIS APPLIES TO ALL TILING IN THE HOUSE, INCLUDING BATHROOMS.

Conventionally, tiling is done with only cement and sand. However this is not the best solution as it is not very durable and doesn't offer any type of waterproofing.



SOLUTION

Asian Paints SmartCare Tiling Solutions

SmartCare Tile Adhesives and Tile Grouts are modern and versatile solutions used for the application of tiles and natural stones. These offer long-term durability, and are skid, stain, chemical, and water-resistant. They are easy to apply, thus saving time and labour costs.

5.0 Terraces

WHETHER FLAT OR SLOPING, A TERRACE IS EXPOSED TO SEVERE WEATHER CONDITIONS THROUGHOUT THE YEAR

If a terrace is not waterproofed properly, it leads to damp patches on the ceiling. In severe cases, water seeps down and results in leaks.



SOLUTION

Asian Paints SmartCare Damp Proof

This is an easy-to-apply elastomeric liquid coating, which forms a seamless film on drying. It gives durable waterproofing protection to your terrace, and also accessibility to normal foot traffic. It has been designed to offer heat reflectance properties by reducing the surface temperature up to 7-8 degrees.

6.0 Window and door joints

GAPS AND JOINTS IN WINDOW AND DOOR FRAMES

Rain water can enter from all cracks and joints, leading to dampness



SOLUTION

Asian Paints SmartCare Sealants

SmartCare Unyverseal and SmartCare Akrylmax sealants are imported international grade sealants designed to offer superior gap and joint filling capability and excellent weather resistant properties. These can be used for a variety of solutions and are easy to apply.

7.0 Cement Water Tanks

OUTDOOR CEMENTITIOUS WATER STRUCTURES

In outdoor cement water tanks where concrete is primarily used, cracks will appear over time because concrete is less flexible. This can cause waterlogging and dampness and leaks in the floors below.



SOLUTION

Asian Paints SmartCare Tri Block Epoxy

This is a superior, food grade-certified coating for waterproofing all types of cementitious surfaces and water storage structures. It is designed for ease of application in all types of large and small cementitious tanks from within, with a good microbial performance.

8.0 Comprehensive Solution

ALL CRITICAL AREAS OF WATERPROOFING FROM FOUNDATION STATE TO TERRACE

Waterproofing for fresh constructions means coverage of all the critical areas, from the foundation slab to the terrace or roof. Use Asian Paints SmartCare Vitalia, an integral waterproofing compound for all cement work at the foundation level.



SOLUTION

Plaster cement using Asian Paints SmartCare Vitalia, an integral waterproofing compound Application of Asian Paints Bathroom Waterproofing Membrane with a 10 Year Warranty or Apply two coats of Asian Paints SmartCare Damp Block 2K waterproofing coat directly on the sunken slab before the application of tiles. Asian Paints SmartCare Tile Adhesives (all 3 types) Waterproof the entire horizontal terrace surface with 3 coat application of Asian Paints

SmartCare Damp Proof. Apply Asian Paints SmartCare Unyverseal, Akrylmax in all joints . Waterproof the interior side of the tank with 2 coats of Asian Paints SmartCare Tri Block Epoxy waterproofing coating with a 2 Year Warranty. This product is certified for storing potable water (drinking water). Refer to the individual packs for application procedure.

PRODUCTS

Recommended products to
tackle your waterproofing issues

Products

TERRACE WATERPROOFING



Asian Paints SmartCare Damp Proof is a fiber reinforced elastomeric liquid applied water proofing membrane. It is formulated with select elastomeric and resilient acrylic polymers and reinforcing polyester fibers. Upon curing, it forms a thick, seamless, durable membrane thus offering ultimate waterproofing.

- CRACK BRIDGING
- SUPERIOR ABRASION RESISTANCE
- STRONG ADHESION
- HIGH SHEEN
- ANTI CARBONATION



Asian Paints SmartCare Terrace Tile Primer is a water based acrylic primer for terraces having porous and non-porous substrates such as existing china chips, tiles or old paints, and sealed or burnished concrete terrace roofs. This is a single component hybrid polymer based primer that provides excellent adhesion to SmartCare Damp Proof.

- EXCELLENT ADHESION
- ECOFRIENDLY
- EXCELLENT FLEXIBILITY
- HYBRID TECHNOLOGY



Asian Paints SmartCare Joint Tapes are intended for waterproofing of all 'L' shaped construction joints in buildings and residential areas. These are made of advanced elastomer EPDM rubber which characterizes very good elasticity, viscosity and weather resistance.

- SUPERIOR TECHNOLOGY
- WEATHER & CHEMICAL RESISTANT
- FLEXIBILITY
- STRONG REINFORCEMENT

CRACK SOLUTIONS



Asian Paints SmartCare Crack Seal is a single pack fibre-glass reinforced crack filling compound for both interior and exterior plaster cracks up to 3 mm. It comes as a ready-to-apply white coloured paste.

- CRACK BRIDGING
- FLEXIBILITY
- MECHANICAL STRENGTH
- WATERPROOFING
- LOW SHRINKAGE



Asian Paints SmartCare Terrace Tile Primer is a water based acrylic primer for terraces having porous and non-porous substrates such as existing china chips, tiles or old paints, and sealed or burnished concrete terrace roofs. This is a single component hybrid polymer based primer that provides excellent adhesion to SmartCare Damp Proof.

- EXCELLENT ADHESION
- ECOFRIENDLY
- EXCELLENT FLEXIBILITY
- HYBRID TECHNOLOGY



Asian Paints SmartCare Joint Tapes are intended for waterproofing of all 'L' shaped construction joints in buildings and residential areas. These are made of advanced elastomer EPDM rubber which characterizes very good elasticity, viscosity and weather resistance.

- SUPERIOR TECHNOLOGY
- WEATHER & CHEMICAL RESISTANT
- FLEXIBILITY
- STRONG REINFORCEMENT

JOINTS AND GAP SOLUTIONS



Asian Paints SmartCare AkrylMax is an acrylic emulsion based plastic elastic sealant for sealing masonry joints that can be top coated with a water-based paint. The product after evaporation forms a soft plastic elastic rubber and is applicable on interiors and exteriors.

- NON - CORROSIVE & ODOURLESS
- FLEXIBLE AND DURABLE
- WATER RESISTANT & UV RESISTANT
- PAINTABLE



Asian Paints SmartCare UnyverSeal is a durable and odourless neutral silicone sealant for sealing of glass, masonry and sanitary joints. It is a non-acetoxy elastic sealant based on high quality polysiloxanes which cures with atmospheric moisture to form a durable seal.

- NON - CORROSIVE & ODOURLESS
- NEUTRAL CURING & ANTI FUNGAL
- FLEXIBLE AND DURABLE
- WATER & UV RESISTANT

INTERIOR WATERPROOFING SOLUTIONS



Asian Paints SmartCare Damp Block is a polymer modified, flexible cementitious waterproof coating. It is a single pack high performance cementitious product formulated with elastic waterproofing polymers, nano technology based additives and crystalline technology.

- CRYSTALLINE & NANO TECHNOLOGY
- FLEXIBILITY
- EXCELLENT BOND STRENGTH
- WATER VAPOUR BREATHABILITY



SmartCare Damp Block 2K is a two component acrylic polymer modified cementitious high performance coating. This product can be used for both positive and negative side waterproofing due to its unmatched bonding, good waterproofing and excellent resistance to hydrostatic pressure.

- HIGHLY ELASTIC FILM
- ANTI-EFFLORESCENCE & ANTI-CARBONATION
- SEAMLESS COAT
- EXCELLENT BOND STRENGTH
- HIGH SOLID CONTENT

BATHROOM WATERPROOFING SOLUTIONS



Asian Paints SmartCare Bathroom Waterproofing Membrane is a triple-layered, tough, elastic and alkali resistant sealing laminated film, fixed below tiles using SmartCare Tile Adhesives for providing long lasting bathroom waterproofing.

- HIGH TEAR STRENGTH
- EXCELLENT ADHESION
- HIGH TENSILE BOND STRENGTH
- TOUGH AND ALKALI RESISTANT



SmartCare Damp Block 2K is a two component acrylic polymer modified cementitious high performance coating. This product can be used for both positive and negative side waterproofing due to its unmatched bonding, good waterproofing and excellent resistance to hydrostatic pressure.

- HIGHLY ELASTIC FILM
- ANTI-EFFLORESCENCE & ANTI-CARBONATION
- SEAMLESS COAT
- EXCELLENT BOND STRENGTH
- HIGH SOLID CONTENT

Products

TILING SOLUTIONS



Asian Paints SmartCare Tile Adhesive for Normal Application is a single component cement based polymer modified adhesive for fixing tiles on floors and walls in interiors as well as exteriors.

- EXCELLENT ADHESION
- LONG POT LIFE
- WATER RESISTANT
- NO PRE-SOAKING



Asian Paints SmartCare Tile Adhesive for Tile-on-Tile Application is a single component cement based polymer modified adhesive for fixing tiles over tiles on floors and walls in interiors as well as exteriors. The product contains special additives that provide excellent bonding & grabbing properties.

- EXCELLENT ADHESION
- LONG POT LIFE
- WATER RESISTANT
- NO PRE-SOAKING



Asian Paints SmartCare Glass Tile Adhesive is single component white cement based polymer modified, fiber reinforced adhesive for fixing glass mosaic tiles in interiors as well as exteriors.

- EASE OF APPLICATION & STRENGTH
- EXCELLENT ADHESION
- LONG POT LIFE
- WATER RESISTANT



Asian Paints SmartCare Tile Grout Epoxy Based is a two component epoxy resin based tintable grout specifically designed for use in application of ceramic tile, vitrified tile and stone joints where a hygienic and sterile condition is expected.

- IMPERVIOUS
- EXCELLENT ADHESION
- HYGIENIC
- CHEMICAL RESISTANCE



Asian Paints SmartCare Tile Grout - Cement Based is a single component polymer modified tile grout for filling tile joints up to 5 mm width. It is a specially formulated premium, fast setting, less shrinkage grout and prevents ingress of water through the joint.

- EASY TO MIX
- EXCELLENT ADHESION
- IMPERMEABILITY
- EASY TO CLEAN



Asian Paints SmartCare Multi-purpose Polymer is a high performance acrylic emulsion based binder that enables fixing of natural stones and heavy tile cladding on vertical surfaces in interiors as well as exteriors by substantially improving the adhesion of SmartCare Tile Adhesives.

- EXCELLENT ADHESION
- INCREASED FLEXIBILITY
- REDUCED SHRINKAGE
- IMPACT RESISTANT

WATER TANK WATERPROOFING



Asian Paints Epoxy Tri Block is an epoxy cementitious coating for positive side waterproofing of cementitious water retaining structures.

- SUPERIOR ADHESION
- SUPERIOR WATERPROOFING
- MICROBIAL RESISTANT COATING
- 2 YEAR WARRANTY

INTEGRAL WATERPROOFING



Asian Paints SmartCare Vitalia is an integral liquid waterproofing compound with advanced formulation and superior plasticizing additives for cement concrete, mortar and plasters. The product is formulated with selected surface active plasticizing agents, chemicals & additives which make the cement concrete/plaster mix cohesive and upon curing, reduces water permeability.

- WATER IMPERMEABILITY
- HIGH COMPRESSIVE STRENGTH
- RESISTS CRACK FORMATION
- CORROSION RESISTANCE

REPAIRING JOBS



Asian Paints SmartCare Multi-purpose Polymer is a high performance acrylic emulsion based binder that enables fixing of natural stones and heavy tile cladding on vertical surfaces in interiors as well as exteriors by substantially improving the adhesion of SmartCare Tile Adhesives.

- EXCELLENT ADHESION
- INCREASED FLEXIBILITY
- REDUCED SHRINKAGE
- IMPACT RESISTANT

PLUGGING COMPOUND



Asian Paints SmartCare Instant Leak Stop is one component instant leak plugging compound. It is composed of special cement, properly graded fillers, additives & polymers which set very fast, when contact with water. It is ideal for instantaneous sealing of leaks and plugging wet cracks in concrete and masonry surfaces. It is specially formulated to stop the flow of running water.

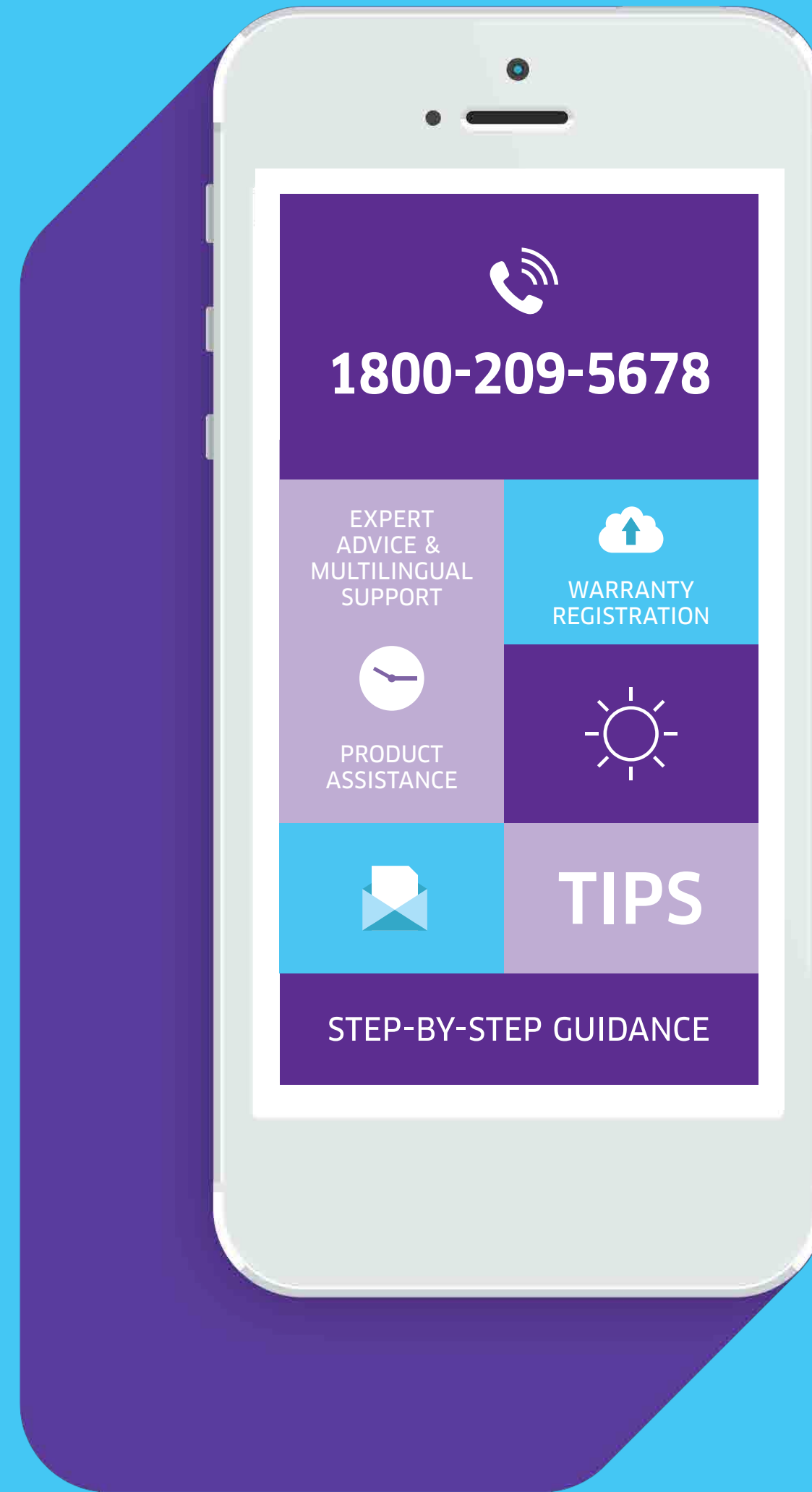
- SETS IMMEDIATELY WITH WATER
- EFFECTIVE WET CRACK SEALING
- HARDENS UNDER WET CONDITIONS
- GAINS STRENGTH RAPIDLY
- READY TO USE POWDER, CAN BE APPLIED BY HAND



Asian Paints SmartCare FabSeal is a fast curing multi-purpose sealing, patching and mending compound that can be used in both wet and dry conditions. The two component system can be used for repairing leaks, holes, dents or cracks in materials such as metals, plastics, fiberglass, concrete or ceramics.

- SUPERIOR TECHNOLOGY
- NO SHRINKAGE
- GOOD FINISH & DURABLE
- EASE & VERSATILE USAGE

NEW! SMARTCARE HELPLINE



ONE NUMBER FOR ALL YOUR WATERPROOFING ISSUES