

# TECHNICAL DATA SHEET

## Crown Damp Protek (Interior/Exterior Damp proof Coating)

### PRODUCT DESCRIPTION

**Crown Damp Protek** is a high-performance coating solution for general moisture issues on walls and to resolve problems caused by damp patches with excess moisture built up on walls, ceilings and roofs. This coating allows moisture to escape from the walls, but they do not allow moisture to seep in, therefore minimizing the risk of problematic damp. It is a fast-drying anti-fungal damp proof coating used for patch repair due to dampness. After curing, it works as a breathable, tough, elastomeric film that provides excellent bonding, long lasting protection to surfaces.

**Recommended use:** Crown Damp Protek is primarily used on walls, foundations, and basements to address moisture issues from the ground soil/roof ceilings. It is recommended for damp proof purposes to prevent moisture damage on walls, ceilings, building roofs, terraces, parapets, sunshades, podiums, roof slabs, old concrete and on exterior vertical walls. Also, can be applied for internal walls adjacent to bathrooms and kitchens affected by dampness. It's important to remember that damp Protek should not be used as a replacement for addressing the underlying cause of dampness due to continuous leakage.

**Substrates:** All types of interior/exterior masonry surfaces, concrete, cement sand renderings, block work, concrete, brick, stonework, concrete screed, etc. All new cement-sand renderings /concrete surfaces should be allowed to age 6 to 8 weeks before surface coating.

**Advantages:** Excellent moisture-resistant barrier, prevent rising damp from the soil to wall or the moisture drawn up from ceiling /roof through the walls, patch work in terraces, outstanding adhesion to damp substrate, minimizing the risk of problematic damp. Moisture resistant breathable coating for repairing damp patches on internal walls, Easy to apply, Single component, comparatively faster drying and allowing for quick work completion, Tough and abrasion resistant, Excellent antifungal property, Eco friendly- Non-Toxic water-based system, Provides long time protection, Free from heavy metals and low VOC.

**Conditions during application:** The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, measured near the substrate. Before starting application, uniformly mix the product in the can and not recommended to apply with high humidity. Good ventilation is required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

### PRODUCT DATA:

**Colour Range:** White and custom tints in pastel attractive colours.

**Sp. Gr. :** 1.30 (For White)

**Solid:** 57 – 59 (% by wt.)

**SVR:** 49.0 – 51.0

**Application Tool:** Roller/Brush/Spray

**Drying Times:** Surface dry: 1-2 hours. Dry to Re-coat: 3 -5 hours @ 25°C.

**Thinner & equipment cleaner:** Water

**Dilution Ratio:** Ready to use. (If necessary, maximum up to 10% by weight with water)

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**Theoretical coverage:** 4.80 sq. metres/kg/coat @ dft. 80 microns.  
(Coverage can vary depending on the porosity of the surface).

**Shelf Life:** Shelf life is 24 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.

## APPLICATION DATA:

Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. The surface cracks/pin holes to be filled with suitable exterior filler/polymer modified mortar. Take care of leakages in concealed pipes or all other sources of water, prior to application of the product. Application can be done by the recommended methods. Creates a barrier to prevent moisture from entering but may not effectively handle water under pressure. It is important to confirm there is no excess wetness/rising wall dampness before application.

## APPLICATION PROCEDURE:

**Internal Dampness:** Ensure plaster surface is thoroughly clean with strong brush. Apply two coats of Damp Protek without any dilution maintaining the spreading rate of 4.6 to 5.0 sq. meters/kg/coat. Apply the 2nd coat at 90° to the first coat. Provide 4-hour re-coating period between the coats. This would ensure correct consumption of material that will deliver a total dft of 170–150 microns.

Apply white cement based premium quality putty after the Damp Protek application for surface leveling of interior walls or can be left exposed. There is no need to stand the surface with emery paper Damp Protek coating before application of white cement-based putty.

Apply suitable premium internal wall paint for the effaced area after 4 days of the application of white cement putty. The system should cover an area well over and wide of the affected area. This will prevent water from affecting the adjacent areas.

**Exterior Vertical and Horizontal surface:** The substrate must be checked for soundness and non-structural cracks should be filled with suitable materials. All damaged portions need to be repaired. Ensure application is done on properly prepared surface.

Apply two coats of Damp Protek without dilution maintaining the spreading rate of 4.6 to 5.0 sq. meters /kg /coat. Apply the 2nd coat at 90° to the first coat. Provide 4 hours re-coating time interval between the coats. This would ensure correct consumption of material that will deliver a total dft of 170 – 150 microns. Allow the coating to air dry for 4 days.

(The spreading rate depends on film thickness applied, surface porosity, imperfections, and wastage during painting).

For exterior terrace/ wall surfaces, can provide extra waterproof by applying two coats (undiluted) of Rain Protek, if necessary.

## Precautions:

1. Do not apply Damp Protek over surface affected with efflorescence.
2. All corners, gaps, joints, protrusions & outlets shall be coated with extra coat.
3. Damp patches at ground level or close to the ground could be caused by rising damp due to high ground water level, a damp proof coating with suitable polymer re-plastering is required on the external wall of the damp and internal walls to protect it from water.
4. In case of severe leakage in pipes or the tile joints of the wall adjoining bathroom/kitchen, have a plumber identify the source and repair it before treating the internal wall
5. Patch repair on roof & external walls provides temporary relief. Ideal recommendation solution is to go for comprehensive waterproofing on entire surface.
6. Remove masking tape, immediately after application.
7. Keep out of reach of children and eatables.

**Availability:** From Crown Depots in Nairobi, Kisumu, Mombasa, Meru, Nyeri, Eldoret, Arusha, Mwanza, Dar es Salaam, Kigali and through Crown Stockists.



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**Storage Conditions:** Store under cool dry conditions away from direct sunlight, heat and extreme cold.

## Safety, Health and Environmental Information

- When applying paint, it is advisable to wear eye protection and suitable gloves.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes of paint from skin by using soap and water
- Keep containers tightly closed and away from food, drinks, animal feed.
- Paint must always be stored in an upright position and cool place.
- Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

**For additional health & safety information, please refer to our Material Safety Data Sheet (MSDS)**

**Disclaimer:** The recommendations contained herein are given in good faith and meant to guide the user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Crown Paints Kenya PLC control.

Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). Crown Paints Kenya PLC reserves the right to amend the TDS without any further notice.

It is the responsibility of the user to ensure that the latest TDS is being used for reference.



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This Technical Data Sheet supersedes all those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Material Safety Data Sheet (MSDS) for this product. Please visit our website at [www.crownpaints.co.ke](http://www.crownpaints.co.ke)