

PROLONG PROKEY

PL032

PRODUCT CODE:

PROKEY:

PLPROK (01) (05) (25)

PRODUCT DESCRIPTION:

- *Prolong ProKey* is a water-based bonding aid, used in the building industry to bond sand, cement plaster and gypsum plaster to smooth surfaces.

INTENDED USES:

- ProKey is intended for use as a key coat to promote adhesion between concrete substrates and overlaid plaster based on cement, gypsum plaster, and self-leveling underlays.
- ProKey is excellent for use on poorly bonded areas as well as on excessively porous surfaces.

FEATURES:

- Easy to use.
- Provides a key between cement and gypsum plasters.
- Excellent penetration of porous substrates.
- Good adhesion.
- Exhibits very good water resistance and good stability when used with cement based products.
- Dries to a clear finish.
- Suitable for use under alkali conditions.
- No more chipping back of smooth surfaces.
- Bonds to sound PVA surfaces.
- Can be overcoated with water-based paints.

PRODUCT INFORMATION:

- APPEARANCE Milky white liquid
- COLOUR White, dries clear
- VOLUME SOLIDS 22% approximately
- S G @ 25°C 1.02
- PRACTICAL SPREADING RATE 8-10 m²/L depending on the porosity of the substrate.
- VISCOSITY @ 25°C Thin watery liquid

APPLICATION DETAILS:

- MIXING Stir thoroughly with a flat-bottomed paddle or mechanical mixer until product is homogeneous.
For a scratch coat: 2 parts sand, 1 part cement and 1 part ProKey
For a stronger bond: add ProKey to a sand/cement plaster mix (10-20% of water content)
- METHOD ProKey can be applied using brushes or rollers. Airless spray and conventional spray is not recommended.
- THINNING Not recommended. (Water)
- CLEANING Water.
- SUBSTRATE Cement, gypsum plaster, and self-leveling underlays.
- APPLICATION ENVIRONMENT

Surface Temp	Ambient Temp	Relative Humidity
Min 10°C or 2°C above dew point	Min 10°C or 2°C above dew point	Min: 10%
Max : 40°C	Max : 40°C	Max: 85%

- DRYING TIME Surface dry 1-2 hours at 25°C.
Hard dry +/- 4 hours at 25°C.

SURFACE PREPARATION:

- Concrete substrate must be in sound condition.
- Surface must be dry, clean, firm, and free from dust, oil, grease or any other contaminants before applying.
- Wire brush & rinse off surface with potable water, if required.

PROLONG PROKEY (contd.)

APPLICATION:

- Stir thoroughly with a flat-bottomed paddle or mechanical mixer until product homogenous.
- Soffits and vertical surfaces: Coat the prepared surfaces with a scratch coat consisting of 2 parts sand, 1 part cement and 1 part ProKey ensuring surface is free of dust and debris. The scratch coat can be applied either onto the surface with a trowel or block brush. Alternatively use a tyrolean machine. Allow the scratch coat to dry and then plaster in the usual manner.
- Where gypsum-based plaster is used, apply the ProKey (undiluted) to the prepared surface and plaster straight onto the wet ProKey, finishing off in a single operation.
- ProKey can be added to a sand/cement plaster mix (10-20% of water content) to obtain a stronger bond.
- ProKey can be applied using brushes or rollers. Airless spray and conventional spray is not recommended.

CAUTIONS:

- Do not apply to metal.

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Packaging: 1lt, 5lt & 20lt.
- Shelf life: 12 months from date of manufacture when correctly stored and unopened.

TRANSPORTATION:

SHIPPING NAME:	Not classified
PACKAGING GROUP:	Not classified
HAZARD CLASS:	Not classified
S.I.N/UN NUMBER:	Not classified dangerous for transport

PROTECT YOUR ENVIRONMENT

- Empty containers should be left open in a well-ventilated area to dry out.
- Do not pour product down the drain.
- Brush out any unwanted product onto newspaper, allow to dry and dispose of via waste collection.
- Dry containers can be disposed of via waste collection or recycling programmes.

FOR YOUR SAFETY:

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash well with soap and water.
- Avoid contact with eyes. In case of contact rinse eyes with clean water and seek medical attention.
- Harmful if swallowed. Seek medical attention.
- Complies with the South African legal lead limit of 90 ppm or less.

DISCLAIMER:

- *The recommendations contained herein are given in good faith and are meant to guide the specifier or the user.*
- *They are based on results gained from our experiences and tests and are believed to be reliable.*
- *Products are manufactured to stringent specifications under laboratory controlled conditions. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. Warranty is restricted to the replacement of defective product and excludes any direct, indirect or consequential loss of any nature howsoever caused.*
- *Technology may change necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used. See www.durapaints.co.za.*