

## PROCRETE BONDING AGENT BDA - 810

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**PROCRETE Bonding Agent BDA - 810** is a multipurpose synthetic rubber latex can be mixed with cement and sand or PROCRETE Cement Filler CF - 700.

This product is used as a mortar screed and leveling compounds or as a slurry for bonding new cementitious material to existing screeds and concrete in interior and exterior.

**PROCRETE Bonding Agent BDA - 810** has good weather resistance, good water resistance, highly bonding strength to existing or new concrete / cement plaster, and also resistant to shocks and vibrations, resistant to water absorption and temperature changes.

### PRODUCT DATA

Type	: Synthetic Rubber Latex.
Color	: Milky White
Finish	: Matt
Solid by volume	: 35.0 %
Specific gravity	: 1.03
Viscosity (Brookfield)	: 15,000 CPS
pH	: 8
Material consumption	: 0.04 - 0.1 kg / m <sup>2</sup> , depend on usages, thickness and wastage during application.
Drying time	: Surface dry = ± 1 hours (30° C) Depend on thickness, temperature and humidity
Packaging	: 1 liter, 5 liter and 20 liter
Storage stability	: Six months if stored cool and dry and in original not opened container (Do not store below freezing point)

### APPLICATION

Purpose of use	As slurry bond coat	As leveling screed / plaster	As filler / putty
PROCRETE Bonding Agent BDA-810	1	1 ( diluted with water 1 : 3 )	1 ( diluted with water 1 : 2-3 )
Cement	1	2	-
Sand	1	2	-
PROCRETE Cement Filler CF-700	-	-	3

\*) The above mixed are for guidance and based on laboratory test. Trials with the materials to be used are recommended. Actual measured data may vary due to circumstance beyond our control.

Pot Life of mixture	: 2 hours (30°C)
Application tools	: Brush, Trowel & Putty Knife.
pH of mixture	: ± 12
Time interval	: Minimum = 2 hours ( 30°C), when the preceding layer already dry Maximum = -
Post treatment	: Masking tape is used to protect surface not to be applied, e.g. door and window frames. As the dry film is elastic, cut the line with a knife or a cutter before remove the masking tape.
Viscosity (Brookfield)	: Mixture of PROCRETE Bonding Agent BDA - 810 should removed from tools and equipment immediately after use with clean water.

## SURFACE PREPARATION

- The surface must be structurally sound, solid, clear, and free from dust, dirt, oil, grease, paint, tar, wax, form, release agents, laitance, loose particles or any deleterious substances and debris which act as bond barriers. All new concrete must be at least 28 days old and completely cured.
- Remove all loose material or defective paint by thorough brushing and scraping using active fibre brush.
- Treat any areas affected by mould, algae, moss and lichens with **PROPAN Fungicidal Wash**.

## APPLICATION CONDITION

Temperature	:	Minimum 15 °C Maximum 50 °C
Humidity maximum	:	80 % RH

Provide adequate ventilation during application and drying.

## RECOMMENDED COATING SCHEDULE

- Slurry bond coat : Mixture of PROCRETE Bonding Agent BDA-810 with water (1 part of PROCRETE Bonding Agent BDA - 810 : 2 - 3 parts of clean water). 1 layer, in wet conditions apply Filler coat / putty.
- Filler coat / putty : Mixture of PROCRETE Cement Filler CF - 700, PROCRETE Bonding Agent BDA-810 with water ( 12 parts of PROCRETE Cement Filler CF - 700 : 1 part of PROCRETE Bonding Agent BDA - 810 : 3 parts of clean water). 2 - 3 x layers with time interval 1 hour after preceding layer already dry.  
(as a mortar for repair holes / hairline crack)
- Filler coat / putty : Mixture of PROCRETE Cement Filler CF - 700, PROCRETE Bonding Agent BDA-810 with water ( 9 parts of PROCRETE Cement Filler CF - 700 : 1 part of PROCRETE Bonding Agent BDA - 810 : 2 parts of clean water). 3 - 5 x layers with time interval 1 hour after preceding layer already dry.  
(as a mortar for water barrier / solve dampness problem)
- Painting coat : After 5 days, apply Primer Coat and Finish Coat as needed for exterior or interior.

## SAFETY, SECURITY, HEALTH AND ENVIRONMENT

Do not take internally. This product is non toxic and non flammable PROCRETE Cement Filler CF-700 is alkaline in nature. It does not contain any material with heavy metals such as mercury and lead. Avoid contact with the skin and eyes. Higher concentrations produce more severe irritation. Wear suitable protective clothing such as overalls goggles, dust masks and gloves. Use barrier cream. Wash splashes from skin or eyes immediately. Ensure adequate ventilation and fresh air entry during application and drying. If there are experiences eye watering, headaches, dizziness or difficulty breathing, leave the area to obtain fresh air or wear respiratory protection. If continued difficulty is experienced, get medical attention immediately. Do not breathe vapor or spray mist. Keep away from food, drink and animal feeding stuffs. Dangerous to fish and other aquatic life. Do not contaminate watercourses or ground. This material and its container must be disposed of in a safe way. Avoid all contact with plant life. Close container after each use and keep out of reach of children. Keep in original container, tightly closed, in cool and dry place. Avoid direct sunlight. Keep from freezing. Do not apply to surface on which food prepared. Wash hands and exposed skin before meals and after use. Read all safety, security, health and environment precautions before use.

### First Aid :

- Skin contact : Wash off thoroughly with plenty of water and soap immediately.  
Remove contaminated clothing. If irritation occurs, seek medical advice.
- Eye contact : Rinse immediately with plenty of clean water. Seek medical advice.
- Inhalation : Remove person to fresh air, loosen collar and avoid exertion.  
Keep patients rested and give artificial respiration.