

Cemstik®

PRODUCT DATA SHEET

Boral Cements Blue Circle Cemstik® is a PVA emulsion designed as a bonding agent and an admixture for cement.

FEATURES

- Bonding cement render/plaster to smooth surfaces.
- Bonding new render/concrete to old.
- Floor levelling before laying tiles, lino and parquetry.
- Repairing and re-topping worn and damaged floors.
- Fastening ceramic or glass tiles to smooth surfaces and for grouting.
- Repairing cracks and holes in concrete.
- For texture sprays.

Sealer coat prior to painting with water based paints.

Sealer coat on internal concrete floors to reduce dust and ingress of oils and grease.

SUGGESTED USES

As an additive to cement based products:

- Repair mortars.
- Tile bedding mortars.
- Repairs to spalled and damaged concrete.

As a structural bonding agent:

- New-to-old concreting.
- Renders to brick or concrete wall.
- Sealing walls, bathrooms and kitchen ceilings before painting.

Addition Rate:

- Refer to job applications.

PREPARATION

Surfaces must be free from oil, grease, dust, release agents, sealants, adhesives, paint or other substances that may interfere with the bond or penetration of **Cemstik**.

Concrete: should be of strength consistent with service requirements. The surface must be cleaned of any dust, oils, cement laitance etc. Blast cleaning may be used to expose clean firmly-bound aggregate. Mortar smears and/or lumps should be removed from concrete/brickwork.

Plaster Surfaces: Remove all flaking paint and repair any surface damaged sections.

REPAIR MORTARS

Diluted **Cemstik** may be used as a mixing liquid, in place of water, in all cement mixtures. Other admixtures should not be included unless trials indicate satisfactory performance.

DO NOT APPLY when temperatures drop below 5°C.

NOTE: Cemstik is not to be used for waterproofing or areas that are permanently water immersed.

CURING

Concrete and mortar surfaces can be kept damp and slow down moisture loss by spraying a solution of diluted **Cemstik** (1:1) with portable water.



AVAILABILITY

Cemstik is available in 1, 4 and 20 litre containers.

CLEAN UP & STORAGE

Clean all tools and equipment with soapy water promptly after use.

Store **Cemstik** in a cool place and ensure containers are satisfactorily sealed. Always shake well prior to use.

SAFE HANDLING

Use in a well ventilated area. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Avoid generating mist.

Use in designated areas with adequate ventilation.

FIRST AID

If swallowed **DO NOT** induce vomiting. Wash out mouth with water. Seek medical attention. In case of contact with eye(s), wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

In case of contact with skin or hair, remove contaminated clothing and flush skin and hair with soap and running water. Wash contaminated clothing before re-use. If irritation occurs seek medical advice. If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical advice.

For further safety information consult the **Material Safety Data Sheet** for the product.

Job Application Table – To be used as a guide only. Ratios may change depending on the type of sands used and their moisture contents.

Job Application	Ratio Cemstik to water	Fillers	Detail of application
1. Bonding cement render/plaster to smooth surfaces			
	1:1	Nil	Brush on, spray on, or roller coat the 50/50 bond coat of Cemstik liberally (porous surfaces may require two coats). Hard, smooth surfaces may require 2 parts of water to 1 part of Cemstik for the 1st coat and a 50/50 coat for the 2nd (see also (b) Dash Coat, below).
2. Bonding new render/concrete			
(a) Bond coat	1:1	Nil	Brush or spray. Do not allow to stand in pools. Allow to dry fully. Apply 2nd coat and pour topping on while wet or tacky.
(b) Dash/splash coat	1:1	1 part cement 2 parts sand	In place of 2nd coat above. Mix to heavy paste and dash/splash on floor/wall to leave a very rough surface. Allow to dry well before topping/render is applied
3. Re-topping worn and damaged floors			
6mm	1:2	2 aggregate	Seal floor as in (2a). Mix to trowelling consistency. Apply by steel float lightly – do not over compact heavily or work excessively. Keep covered in hot, dry weather to prevent Cemstik topping from drying out. Keep heavy traffic off for two to three days. *For traffic areas 13mm is the minimum thickness. Cemstik dilution should be reduced to 1:2 (1 part Cemstik , 2 parts water).
9mm	1:2.5	1 part sand	
13mm*	1:3	1 part cement	
19mm*	1:4	(or 3 sand, 1 cement)	
4. Repairs to concrete			
(a) Hair cracks	1:2	1 part cement	While slurry coat is still tacky spread the floor screed. Work into the surface to ensure a good mechanical bond or key.
(b) Larger cracks		3 parts sand	
(c) Holes, chips, etc	1:2	1 part cement 2 parts sand	In place of second coat above in 2. Mix to heavy paste and dash on floor/wall to leave a very rough surface. Scratching tool may be used. Allow to dry over night prior to applying the finishing coat or render or pebblecrete mix.

The information in this Data Sheet and any advice given should be viewed as a guide only. Boral makes no guarantee of the accuracy or completeness of the information and recommends you conduct your own testing to determine suitability for your specific purpose.

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