

Is a Two Component Polymer – Modified High Performance Cementitious Waterproofing

DESCRIPTION AND USES

- This product can be used for both positive & negative side waterproofing due to its excellent bonding, good waterproofing and unmatched resistance to hydrostatic pressure.
- **Waterproofing:** Resists up to 5 bars of positive hydrostatic pressure
- **Seamless Coat:** Forms a seamless coat without any joints.
- **Elongation:** Highly elastic film which provides elongation up – to 30% and crack bridging ability up – to 1.2 mm.
- Compliance to potable water requirements.
- **Adhesion:** Excellent bond strength with cementitious substrates.
- **Anti-Carbonation:** It protects concrete against carbonation.
- **High Solid Content:** Acrylic Polymer with high solid content.
- **Usage:** Easy to apply.

PRODUCT PROPERTIES

Color	Gray
Coverage	2 – 2.5 Kg/m ² for 2 coats
Mix ratio (Powder : Liquid) parts by weight	4 : 1
Density after Mixing	1.8 – 1.9
Viscosity of the mix @ °25C	90 – 100 KU
Surface dry time (minutes) (ASTM D 1640)	45
Recoat ability time (hours)	4 – 6
cure time after 2nd coat (days)	3 – 5
complete drying after the second coat (days)	7
potable water (ES190)	Compliant to standard potable water requirements
Positive Hydrostatic Resistance Pressure (DIN 1048)	Resist up to 5 bar pressure
Elongation at break (%) (@2mm DFT) (ASTM D2370)	30%
Adhesion strength, MPa (ASTM D 4541 – 17)	1.72
Crack Bridging (ASTM C1305 / C1305M16-)	Up – to 1.2 mm
Tensile Strength (ASTM D 2370)	1.39 N/mm ²

PRODUCT PROPERTIES

1. Surface preparation:

- Surface under treatment should be strong enough, clean and free from oil or loose materials.
- Masonry surface should be fully cured prior to application. In case of efflorescence, cement plaster should be removed from the affected areas up till the brick level.
- At least 3 to 5 days curing is required.
- In case of fresh concrete/masonry substrate – the surface must be cured for 28 days before application.
- Surface cracks up-to 3mm must be filled with suitable crack filler. Bigger cracks, damaged portions and hollow areas must. be repaired with polymer modified cement mortars.
- Prior to application the surface must be in Saturated Surface Dry (SSD) condition.

2. MIXING:

- Add powder to liquid (4 -part powder & 1 -part liquid by weight) slowly while stirring.
- Do not add water to **DAMP BLOCK 2K 600** during mixing/application.
- In case of bulk volume use mechanical stirrer.
- Mix the entire quantity until a smooth homogeneous slurry without lump is achieved.
- Keep the slurry undisturbed for 5 – 6 minutes to release entrapped air during mixing.

3. Application Process:

- Apply **DAMP BLOCK 2K 600** slurry by brush or roller over SSD masonry/brick surface.
- Mixing ratio 4 : 1
- Allow the 1st coat to dry for 4 – 6 hours (drying depends on ambient temperature) and then apply 2nd coat.
- The 1st coat & 2nd coat must be applied in perpendicular direction for better results.
- Achieve a coverage of 2 – 2.5 kg/m² for 2 coat.
- If the application is being done on bricks, overlay of cementitious screed within 24 to 48 hrs.
- For screeding use **SmartCare Repair Bond SBR** or **SmartCare Bond Latex** as an integral waterproofing compound.
- It is essential to cure **DAMP BLOCK 2K 600** /overlay screed for a minimum of 3 to 5 days to ensure full cement hydration.
- Do not cure by flooding with water or conduct any ponding test before it gets completely cured.

4. Post Application Care:

- After 48 hours or appropriate drying of **DAMP BLOCK 2K 600** Cementitious Waterproofing, coat with Interior/ Exterior coating.

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- **DAMP BLOCK 2K 600** Cementitious Waterproofing shall not be left exposed directly to the environment.

APPLICATION TOOLS



PACKAGING

20Kg (Powder) & 5Kg (Liquid)

STORAGE AND SHELF LIFE

12 months from the date of manufacturing in unopened condition.

Store in a cool & dry place.

SAFETY PRECAUTIONS

- Please refer to material safety data sheet (MSDS) before using the product.
- Please revert to technical office for application advice.
- For alternative systems may be specified, depending on area of use.

هو عازل إسمنتي مكون من مركبين عالي الأداء معدل من البولييمر للعزل المائي على الجانب الإيجابي

- لا تستخدم المياه عن طريق الغمر أو إجراء أي اختبار مياه قبل الجفاف التام.
- في حالة الخرسانة الحديثة يجب ترك السطح لمدة ٢٨ يومًا قبل التطبيق.
- يجب أن يتم تركيب التسوية الاسمنتية في غضون ٢٤ إلى ٤٨ ساعة.

أدوات التطبيق



العبوات المتوفرة

٢٠ كجم «مسحوق» و ٥ كجم «سائل»

التخزين ومده الصلاحية

١٢ شهرًا (من تاريخ التصنيع في حالة غير مفتوحة. تخزين في مكان بارد وجاف).

تعليمات الأمن والسلامة

- يرجى الرجوع إلى نشرة السلامة الخاصة بالمنتج (MSDS) قبل الاستخدام.
- يرجى الرجوع إلى المكتب الفني لمزيد من الاستشارات بخصوص التطبيق.
- يمكن توصيف أنظمة دهان بديلة وذلك بناء على مناطق الاستخدام.

دامب بلوك 2K 600 - صفحة ١ من ١

ان المعلومات الواردة في هذه الصفحة هي افضل ما لدينا من المعرفة القائمة على التجارب العملية والخبرة العملية. وبما ان المنتج يستعمل غالبا تحت ظروف خارج نطاق مراقبتنا، فاننا لا نستطيع ضمان أي شيء سوى نوعية المنتج نفسه ونحتفظ بحق تغيير البيانات المعطاه دون اشعار مسبق. هذه المواصفات الفنية تلغى أي مواصفات سابقة. لمزيد من الاستفسار يرجى مراجعة المكتب الفني.

أبريل ٢٠٢٤

١٦٨١٥

