

KS-11 PRIMER FOR POLYUREA



PRODUCT DESCRIPTION

This primer is a kind of two-component solvent coating with epoxy resin as the main component. This product is well permeable and has a strong adhesion to concrete; it can be well bonded with polyurea and concrete. It can also be used with powder and quartz sand for repairing the substrate.

- Low viscosity, strong penetration, good combination with concrete.
- Good sealing ability and effectively insulate moisture to reduce the bubble and pinhole formation on polyurea coating.
- Chemical bonding with polyurea to provide a good adhesion of concrete and polyurea.

TECHNICAL DATA BASED FOR REFERENCE

No.	ITEM	INDEX	TEST STANDARD
1	Tack free drying time/h	≤4	GB/T 1677-2008
2	Fully drying time/h	≤24	GB/T 1677-2008
3	Solids content /%	≥50	JC/T 2252-2014
4	Dry condition /MPa	≥2.5	JC/T 2252-2014
	Retention rate after dip in water /%	≥70	JC/T 2252-2014

WHERE TO USE

As the assistant material of polyurea coating, it can be used as primer on the substrate of the new and old concrete, such as the substrate of bridges, workshops, playgrounds and other concrete structures. If the primer will be used on other non-concrete substrate, please consult the technical engineer of manufacturer.

CONSTRUCTION CONDITION

- Requirement for the substrate: The concrete substrate should be cleaned, repaired and polished to a certain roughness condition. After the enough time of maintenance, the concrete strength must be C25 or above, and moisture content should be less than 6%. When the substrate is ready, the next process should be carried out as soon as possible.
- Environmental temperature and humidity requirements: The construction environment temperature is between 5~35℃, and the substrate' s temperature is at least 5℃ higher than the air temperature. The humidity range should be between 30~80%.
- Ventilation condition: Keep ventilation during construction, but don' t construct the primer when there is strong wind.

CONSTRUCTION NOTES

- The component A and B should be stirred evenly before mixing them. It is normal appearance if component A has precipitate, please fully stir it before mixing with B.
- The mixing ratio of component A and B by weight is A:B=4:1. It is ready to construct after it mixed evenly by 3~5 mins manually or mechanically mixing,
- The mixed primer should be used up in 30min by roller or brusher. Any material is not allowed to add into the primer to make it thinner.
- Normally, the next process should be carried out on 3 hours after the tack free time of primer. It should apply one more time of primer if the next process is carried out on more than 24 hours after the tack free time of primer. It also needs to re-apply the primer if there is rain or other bad weather after the first construction of the primer.
- The quantity of quartz sand (or powder) can be added into the primer accordingly on the site if it is necessary. and the total amount of quartz is about 1~1.5 times of the total amount of primer. Do make sure the quartz is very dry without any moisture.

PROTECTION AND SECURITY

- Protective glasses, work clothes and shoes and hats are required for construction operations. During the construction, it is avoided contact with the skin, and once in contact with the skin, it is recommended to wash with warm water and detergent, if necessary, wash with a plastic brush or a steel ball. If inadvertently splashed into the eyes, need to wipe immediately and rinse with plenty of water, and go to the hospital for help.
- Normally, the fully dry coating is non-toxic and very safe.

RECOMMEND USAGE

Normally, the recommended usage is 0.15~0.25kg/m². it is about 0.3~1 kg/ m² if it mixed with quartz sand (or powder).

PACKING

20kg/set, KS-11A: 16kg/pail; KS-11B: 4kg/pail

STORAGE AND TRANSPORTATION

- The primer should be sealed and stored in a dry, cool and well-ventilated condition, avoiding sun and rain and keeping away from fire.
- In the original packaging state and the prescribed storage conditions, the product has a shelf life of 6 months from the date of production.
- After open the drum, please use it as soon as possible and seal it again when not in use.
- The materials shall be stacked stationary and avoid violent collision when transporting.

ATTENTION

The information disclosed above is based on our knowledge and experience, and we believe it is correct and feasible. However, it must not be extended to the protection of end users, because the requirements of end users are related to many factors, which are closely related to correct design, construction, management, supervision, and so on. We will never be held responsible for incorrect using results and incorrect construction results, and we recommend that you perform relevant verifications before construction. If you have any questions, please contact Keshun Waterproof Technology Co., Ltd.



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