



DESCRIPTION

PROGARD is a cold applied single component semi-gloss non-yellowing moisture cure clear and transparent waterproofing and protective coating liquid membrane.



APPLICATION AREAS

Suitable for fixing

- Over concrete flooring
- Different kinds of substrates
- Sand stones & marbles.
- Natural stones & granite.



ADVANTAGES

- Resists alkali salt attack through back of stone
- Highly Elastic.
- High abrasion resistance.
- Crack bridging over 3mm.
- Rubber like membrane.
- UV resistant
- Stain resistant
- Highly durable
- Repair friendly
- Low VOC



Technical information

COMPLIANCE

Complies with ASTM D 412, DIN 52455, ASTM D 4541

Appearance	Clear and transparent
Type	Polyurethane Resin
Shelf Life	24 months in sealed containers between 5 °C and 35°C

TECHNICAL DATA

Property	Value	Test method
Solid Content	70 %	ASTM D 1353
Density	0.90±0.05	ASTM D 1475
Tensile strength	>20±3 N/mm ²	ASTM D 412
Shore Hardness D	>55	ASTM D 2240
Elongation at Break	>100	ASTM D 412
QUV accelerated weathering test	Passed 2000 hours	ASTM G 53
Resistance to bacteria	No attack	ASTM D 4299
Resistant to algae	No attack	ASTM G 29
Water vapor transmission	< 0.35gm/m ² /day	ASTM E 96
Service temperature	-20 to 75°C	



METHOD OF APPLICATION

SURFACE PREPARATION

Substrate should be clean, sound and free from dirt, dust and other loose particles. Absorbent cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition. All cracks larger than 1mm should be filled with cement base concrete repair.

Natural stone, granite, marble & sandstone: the 5-dimensional surfaces should be sanded using a light sand paper or by light disc grinding machine.

APPLICATION

For Substrate Protection: Apply 2 coats of PROGARD at 0.1 – 0.15 ltr/m² directly to the prepared substrate after mixing the PROGARD with a slow speed mixer or hand mixing, then apply it using a notched trowel and spread the product evenly over the area. Apply two coats to avoid pinholes.

For Tile Protection: PROGARD can be applied in 1 or 2 coats over the 5-dimensional sides of the (natural stone, granite, marble & sandstone) and allow for 24-48 hours curing period prior to installation. Don't apply as a topping on glazed surfaces to avoid potential peeling.

Important Note:

1. Allow for a complete and proper mixing, using highly cleaned tools.
2. Prior to any top coat application, allow for proper cleaning and continuous use of new or highly cleaned brush or roll, to avoid any bleeding or staining

CURING

Initial Curing – Tack free: 30 – 40 min
Full Cure 24 hours



HEALTH & SAFETY

PROGARD is aliphatic polyurethane based and there is risk of cauterization in the event of contact with the eyes, will lead to dehydration and thereof irritation in case of contact with skin. So, while mixing and applying the product, protect with safety goggles and protective gloves

Splashes to skin must be washed off with water and soap

Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory.



TECHNICAL SERVICE

PROGARD should not be used directly on gypsum or gypsum board or under conditions of continuous immersion unless advised otherwise by the manufacturer and under specific conditions

Please contact IKAN INC. technical team for more details on application of PROGARD for any purpose other than mentioned above or on surfaces with other special construction additives.



DISCLAIMER

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labor involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.