

LK - SEAL 100

PRODUCT DESCRIPTION

LK-SEAL 100 is a unique solvent based room temperature moisture cure reactive silicone with a built-in catalyst which imparts excellent water repellency to Concrete / wall surface (s).

BASIC PRINCIPLE

When organic solvent based product applied on the substrate it cures in presence of normal atmospheric conditions to form uniform protective layer & prevents the substrate from surrounding weather effects / fluctuations.

BENEFITS

- Excellent material for crack filling in concrete structures and asbestos sheets.
- Effective Thermoplastic Elastomers cum Plasticiser for bitumen based coatings.
- Very good wood protection material.
- Moisture protection, Durability to vertical stone walls.
- Water proofing on Concrete surfaces

HOW TO USE

LK - SEAL 100 is applicator friendly liquid material. It cures to a tough elastic film, which is capable of withstanding extreme humidity & temperature conditions. The product can be applied with or without any dilution depending on application requirement. In case of dilution suitable solvents are Toluene, Mineral Turpentine Oil or any Aromatics. The built-in catalyst gives a strong adhesion over the applied substrate. The cured film will give a service life of over five years.

APPLICATIONS METHODS

LK SEAL 100 can be applied with or without dilution depending on application requirements. It can be applied by brush, roller, spray.

APPLICATION PRECAUTION

Surface on which application to be done should be water free / dust free.

This product can not be applied on the surfaces on which previously treated silicone or another water repellent product layer is already existing.

While spraying LK- SEAL 100 , use mask & goggle to avoid direct oral entry / eye contact.

HANDLING PRECAUTIONS

Avoid direct inhalation in case of misting during spraying (a respirator is recommended during such operations). Local exhaust is recommended if spray or mist is created in an

enclosed area. Swallowing large amounts may cause serious injury. Avoid contact with eyes, skin and clothing. In case of skin contact, wash immediately. In case of eye contact, flush immediately with water at least for 15 minutes and obtain prompt medical attention. In order to maintain the liquid nature of LK-SEAL 100 it is advised to add solvent for the same quantity of oil removed from the carboy. Shake the contents after addition of solvent.

TYPICAL PRODUCT SPECIFICATIONS

Sr.no	Product Specification	Sr.no	Product Specification
1.	Appearance: - Clear to Whitish liquid with slight bluish tinge.	10.	Recommended application methods :- Brush / Roller / Spray
2.	Viscosity (by B5cup):- Max 150cps.	11.	Antifungal Property :- Excellent
3.	Recommended solvent :- Toluene, Mineral Turpentine oil, or any Aromatics.	12.	Alkali / Sea water resistance :- Excellent
4.	Recommended Dilution ratio:- 1:4 by volume	13.	Application Temp. range :- 15 –50 oC
5.	Coverage (on normal concrete):- 300 sq. ft.	14.	U. V. Resistance :- Excellent
6.	Curing time :- approx. 24 Hrs.	15.	Flash point :- 35 oC
7.	Potlife :- 8 Hrs.	16.	Required surface preparation :- Clean oil / dust free surface is required
8.	% solid content : 25-29	17.	Specific Precaution during curing :- Avoid water / solvent spillage / contact for 24 Hrs.
9.	Shelf life :- 6 months in original packing		

SPECIAL PRODUCT FEATURES

LK - SEAL 100 is multipurpose easy to handle cost effective product. Sealants / putties etc. can be made by adding suitable fillers (e.g. Fly ash, white cement etc.) to it for crack filling applications.

AVAILABILITY

LK - SEAL 100 is available in 30 / 50 kg. HDPE carboys, 200 kg. MS drums. Any other special packing can be thought at extra cost.

RTU (Ready to use) version is also available.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. The Information is believed to be accurate. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.**

ELKAY CHEMICALS PVT. LTD. (ELKAY) Main Plant Office (MIDC, Bhosari) exclusively can provide you with a specific written warranty for a particular use. In the absence of this, ELKAY gives the sole **warranty that the product (or products) supplied will meet its sales specifications** (not provided on this sheet). ELKAY disclaims any other expressed or implied warranty. For current or required specifications, please contact your ELKAY distributor, representative or office.

ELKAY does not warrant the recommendations given within for their fitness for use, performance, efficacy or safety. Users are responsible for certification of use of their product and for complying with local legislation. Suggestions of use shall not be taken as inducements to infringe any patents or grant any license under a valid patent and are provided for illustrative purposes only.

Internal References DX10101

APPLICATION TEST FOR LK-SEAL 100:-

1. PREPARE DILUTE SOLUTION OF LK-SEAL 100 (1 PART OF LK-SEAL 100 & 4 PART OF MTO).
2. THEN TAKE CLEAN & DRY (MOSTURE FREE) ASBESTOS SHEET.
3. ON THIS ASBESTOS SHEET , ON HALF PORTION APPLY DILUTE LK-SEAL 100 BY USING BRUSH.(0 N
4. APPLICATION QTY PER Sq.ft 20 ml (dilute LK-SEAL 100)
5. AFTER APPLICATION TAKE THIS TREATED ASBETOS IN OVEN APPROX 35-40 Deg.c. for 2 Hrs.
6. AFTER THAT ALLOW THE WATER ON THIS SURFACE OF ASBESTOS SHEET.

Results : 1. WATER DROPS DOESNOT STICK ON THIS TREATED ASBESTOS SHEET : PASS.
2. WATER DROPS STICK ON THIS TREATED ASBESTOS SHEET : FAIL

