

BUILDING CHEMICALS SPECIALISTS

KIROTA

Water Repellant / Reducing water absorption

1. PRODUCT DESCRIPTION

KIROTA is a transparent liquid, which penetrates into the substrate and forms a water repellant seal that preserves the aesthetic beauty of concrete, stone, masonry and stucco. Treated surfaces resist moisture penetration, dirt, hydrocarbon emissions and airborne contaminants. The protective layer of **KIROTA** hardens the concrete surface to prevent minor spalling, dusting and efflorescence. Treated surfaces will not darken during rainy periods and ultraviolet deterioration and adherence of rust are inhibited.

KIROTA is a blend of non-yellowing silicones. Application of **KIROTA** REGULAR produces virtually no darkening or change in colour of the surface.

2. APPLICATION INSTRUCTIONS

Surfaces to be treated must be sound, clean and without water pools prior to application. Remove any dirt, efflorescence or other material with water and wire brush. Thoroughly clean the surface and allow it to dry. Spalls and major cracks, other than hairline cracks, should be repaired prior to application. Apply **KIROTA** with airless spray equipment, a hand sprayer or stiff brush. On porous surfaces, spray edge perimeter with a relatively heavy spray. Apply **KIROTA** in a uniform manner that fully wets out the surface yet does not cause flooding or rundowns. On vertical surfaces apply from top to bottom. New concrete should cure for the equivalent of at least 28 days before product application. Use clean water to remove **KIROTA** from tools and equipment.

KIROTA is very efficient in reducing water absorption (< 6,0%) in precast dry concrete products at dosages of 0,5 – 1,2 lt/50kg cement.

3. COVERAGE

The coverage rate depends upon the porosity of the surface being treated. The following chart gives suggested application rates for most jobs:

| Surface | m ² /litre |
|-----------------------------------|-----------------------|
| Precast Concrete (Smooth Surface) | 5-6 |
| Poured Concrete (Above Grade) | 5-6 |
| Exposed Aggregate | 2,5-5 |
| Brick and Stucco | 2,5 |
| Stone and Tile | 6-7 |

4. CAUTION

Do not return unused material to container. Keep drums tightly closed, store drums horizontally to prevent water accumulation on drum heads. Use only in well ventilated areas. **KEEP OUT OF REACH OF CHILDREN.**

5. LIMITATIONS

KIROTA will not protect against severe abrasion. It is **not suitable for waterproofing applications**. Do not use below grade or in areas subject to hydrostatic pressure. While it may accept many types of paints, it should not be applied over painted surfaces. Allow **KIROTA** to cure for 2 days in dry weather before applying paints over the treated surface. Test paint adhesion before painting the entire area. **KIROTA** is compatible with most caulks and joint sealants.

Do not apply at temperature below 4^o C.

Allow 24 hours after rain before application. Make sure the surface does not have water pools.

6. PACKAGING

All liquid components are available in 5L and 20L plastic pails.

7. STORAGE

Minimum shelf life of liquid components 12 months under normal storage conditions with temperature between 5⁰C and 50⁰C.

Should material become frozen, it must be completely thawed and thoroughly mixed before use.

8. WARRANTY

KIROTA products will perform according to specifications only if directions are followed. Manufacturer is not responsible for improper use, application or storage of its products or for use of its products in unsafe weather or with unsafe engineering or working conditions. Products are supplied subject to standard terms and conditions of sale, which limit responsibility for the product. Any warranty of the products is limited to the manufacturer's standard warranty unless otherwise specifically provided in writing.

9. TECHNICAL SERVICES

Complete technical information and advisory service is available for guidance on the use and application of **KIROTA**.

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