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|  <p>Sri Lanka Telecom One Country. One Voice.</p> | <p>Specification for OSP Material</p> <p>Duct Sealing Kit</p> <p>OQMS SGD 027</p> | <p>Issue No. : 01</p> <p>Date of Issue : 03-Mar-2014</p> <p>Revision No. : Nil</p> <p>Date of Revision : Nil</p> <p>Page : 1 of 2</p> |
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1 Scope

Duct Seal is used to prevent entry of water and gas from entering a manhole or central office through a cable duct or vice versa.

2 Characteristics and Requirements

The following requirements shall be met.

- 2.1 Seal water, dirt, oil, gases, rodents, or other contaminants which are available out of conduit/duct or central office
- 2.2 Cured foam shall be strong, resilient and chemically resistant.
- 2.3 Can withstand at least 22 feet water-head pressure over an extended period of time. (This shall be supported by the factory test report)
- 2.4 Shall tolerate cable movement.
- 2.5 Kit seals for 110mm ducts.
- 2.6 Foam shall expand and cures quickly even when water is present.
- 2.7 Safety on mixing two-part foams & injected in to the duct.
- 2.8 Cured foam shall be semi-permanent and can be removed without damaging the cables & ducts when necessary.
- 2.9 Supplier shall submit all installation instructions, safety measures with the material in English language

3 Marking

3.1 Packing:

Supplier shall clearly indicate the available items, accessories, quantities, date of manufacture, date of expiry clearly on the outer cover of the packing.


4 Methods of Test

4.1 Test Conditions

Supplier shall submit factory test reports with the test methods used.

4.2 Compliance Sheet

See next page

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| Compliance Sheet (filled by the Supplier)/ Field Test Format (Filled by the staff at the installation) | | |
|---|---|------------------------|
| No | Description of Requirement | Complied/ Not Complied |
| 1. | Seal water, dirt, oil, gases, rodents, or other contaminants which are available out of conduit/duct | |
| 2. | Cured foam shall be strong | |
| 3. | Cured foam shall be resilient (able to recover quickly from setbacks) | |
| 4. | Chemically resistant | |
| 5. | Can withstand at least 22 feet water-head pressure over an extended period of time. | |
| 6. | Shall tolerate cable movement. | |
| 7. | Kit seals for 110mm ducts. | |
| 8. | Foam shall expand and cures quickly even when water is present. | |
| 9. | Cured foam shall be semi-permanent and can be removed without damaging the cables & ducts when necessary. | |
| <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div> <p>.....</p> <p>Signature of staff done the installation/ Test/ Supplier</p> </div> <div> <p>.....</p> <p>Date</p> </div> </div> | | |