

## **MULTISEAL Kloak**

Multiseal Kloak (Sewer) liquid seal is a two-component system that eliminates water loss in underground sewers and drains. Multiseal Kloak can be used in sewers and drains in all materials - plastics, cast iron, ceramics, concrete and lead. There may be sealed leaks on both sewer, tubes and muff-connection. Multiseal Kloak crystallizes when the hardener HC60 is added. Hereby a mechanical seal of the leakage is created, with Multiseal Kloak becoming firmly attached to the sewer pipe and also hardens up in the leakage field outside the pipe. A seal with Multiseal Kloak is permanent and durable.

### **Instructions**

Before carrying out a seal with Multiseal Kloak we recommend that the sewer piece to be sealed is thoroughly cleaned with compressed water. Multiseal Kloak and Multiseal HC60 hardener should not be mixed, but are collected separately for subsequent recycling.

After cleaning the drain has to be blocked ensuring that the part of the tube with the leak is above the blockage. A typical situation by sealing an underground sewer in a one-family house could be to clean and block the sewer part with the leak as described above (camera inspection). After having blocked the sewer part with leak, this string is filled with Multiseal Kloak . Typical this is done by pumping Multiseal Kloak (used undiluted - remember to shake the bottle) through the blockage into the lowest part of the sewer string which has to be sealed until the product appears in the sewer system's lowest point indoors. This could be the floor drain in the shower where you have a man situated ensuring that the filling of the sewer is stopped before a possible overflow. There should be 2 m water column over the leaking sewer's lowest point. The product remains in the drain for 1 hour. Now empty the leaky sewer full of Multiseal Kloak, rinse the pump thoroughly and Multiseal HC60 has to be pumped immediately into the sewers in the same way as Multiseal Kloak. Also Multiseal HC60 hardener must remain in the drain for 1 hour. Then drain the sewer also completely for HC60 and wash the pump with clean water. The process is repeated once again. A typical seal thus takes at least 4 hours. After the final discharge of hardener the sewer is sealed and may now be tested. If the sewer is still leaking the process is repeated a third time. When the sewer is sealed flush it once through with compressed water to remove any remnants of Multiseal Kloak from sewage pipes inside and the sewer system may be taken into service.

### **Maximum water loss.**

The water column must be 2 m above the lowest point of the sewer which you want to seal. The water loss must not be more than 70% of the total water in the pipe section you want to seal within 15 min.

### **Safety data for Multiseal Kloak**

If Multiseal Kloak comes into contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Skin contact: Wash skin immediately with plenty of water. When working with Multiseal Kloak wear suitable protective gloves and goggles or face shield.

Multiseal Kloak must be immediately washed with water if it comes to surfaces outside of the pipe system (tile, laundry, etc.) because otherwise crystallization will take place, and the crystallised product is very difficult to remove.

Moreover, observed the usual precautions when handling chemicals. Keep out of reach of children

### **Disposal:**

Multiseal Kloak is collected and recycled. This product can when highly diluted be discharged to sewer system.

### **Composition:**

Fibres, alkali salts and other additives - see safety data sheet.

### **Mixing Ratio:**

Multiseal Kloak is used undiluted.

### **Shelf Life:**

5 years from date of manufacture - protected from frost!