

# SETPLUG

## Rapid set cementitious mortar for plugging of water leaks



TECHNICAL DATA SHEET PUBLISHED JUL 2021

### PRODUCT FEATURES

**Setplug** is a fast set cementitious mortar for rapid patching and plugging of water leaks in concrete structures.

Setplug is used for patching water leaks in concrete structures such as; Tunnel lining, sewage plants, basements, water tanks, foundations and concrete segments.

### MATERIALS SUPPLIED

5 kg, 18 kg and 25 kg packs.

### STORAGE

Protect from frost and store under dry warehouse conditions at a temperature between 5°C and 35°C.

### SHELF LIFE

9 months in unopened bags and stored under good condition.

### COVERAGE

Approximately 5 - 6 m<sup>2</sup>/25 kg bag @ 3 mm thickness.

### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

All substrate should be clean and free lose material and contamination. All areas to be patched should be cut back to a minimum depth of 15 mm. Leaking cracks should be chased out to a depth of 20 mm.

#### MIXING

Clean water should be added to a clean container. Add the powder slowly and mix using a trowel or gloved hand until a stiff mixture is obtained, the mixing ratio should be 1 part of water for each 3 parts of Setplug measured by volume.

This is equivalent to 1 part of water for each 4 parts of Setplug measured by weight.

Due to the rapid set nature of the product, mix only small amounts that can be used within the setting time. In very cold conditions, the use of warm water (room temperature) is advisable to accelerate strength development. Do not apply when frost is expected within 12 hours of application.

For hot temperature applications, the material should be stored in the shade and cooler water used.

### TECHNICAL INFORMATION

Color	Grey
Setting time*	60 sec
Compressive strength (N/ mm <sup>2</sup> ) (BS 6319-2:1983)	
1 hr	≥ 10
1 Day	≥ 14
7 Days	≥ 19
28 Days	≥ 24

\*Setting time will be extended at lower temperatures and reduced at higher temperatures.

### APPLICATION

Apply the product to the leaking areas using trowel or gloved hand and hold until set. Apply at a minimum thickness of 15 mm. Cover the leaking area and surrounding areas.

### CLEANING

All tools should be cleaned immediately after finishing by water. Hardened materials can be cleaned mechanically.

### PRECAUTIONS

The minimum application thickness of Setplug is 15 mm.

When the needed quantity is mixed, it must be used and held in the needed position until the initial set is reached (1 minute at 25°C).

### HEALTH & SAFETY

As Setplug contains cement, Setplug may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advise if necessary. Please refer to the relevant Health and Safety Data Sheet for detailed information.

Setplug is nonflammable.

### GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Services Department.

Don Construction Products Ltd Hawthorn House, Helions Bumpstead Road,  
Haverhill, Suffolk CB9 7AA, UK T: +44 (0) 1440 766360

**Note:**

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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