

ATTENTION!
**THE MEMBRANE SPILLTEX® MUST BE SOAKED IN A
CONTAINER WITH PURE WATER FOR 5-7 MINUTES
BEFORE USE.**

MANUAL

on the use of filter cloth Spilltex®



Yekaterinburg, 2021

1. Description

The filter barrier cloth Spilltex® (hereinafter – the SPILLTEX® cloth) is a fabricated rectangular cloth made of natural cotton fabric modified with a microgel solution based on natural polysaccharides Biomicrogel®. This cloth is reinforced with slings and equipped with eyelets (D=18 mm) around the perimeter and special valves on the short side for tight connection with other Spilltex® cloths (figure 1). It is used to purify water from petroleum products (diesel fuel, gasoline, grease, oils). The Spilltex® cloth can be used for fencing coastal river and reservoir zones, setting barriers on rivers and streams, laying filtration layers on various surfaces to protect them from petroleum products.

Operating principle:

1. The Spilltex® cloth can be used for fencing coastal river and reservoir zones, setting barriers on rivers and streams, laying filtration layers on various surfaces to protect them from petroleum products.
2. The Spilltex® cloth allows water to pass through and holds oil products within the sump.
3. The collected oil products are removed by any available tools (with nets, skimmers, and etc.).

Component parts:

1. The filter cloth for shallow rivers Spilltex® – 1 pc.
2. Pegs 200 mm – 1 set.
3. Pegs 400 mm – 1 set.

2. Preliminary procedures

2.1 Place selection and preliminary procedures

Specific locations and/or additional materials are used to install the Spilltex® cloth to exclude any mechanical impacts and minimize the content of solid suspended particles in the volume of treated water. This prevents a decrease in efficiency and extends the cloth shelf life.

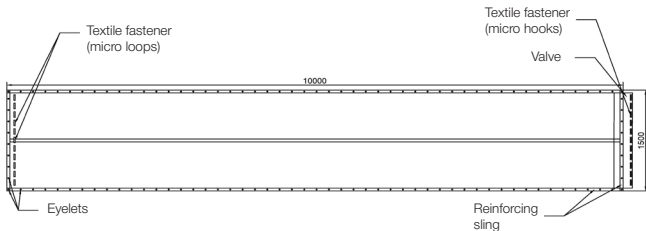


Figure 1. Spilltex® cloth activation

2.2 Spilltex® cloth activation

The Spilltex® membrane is used only in wet form!

The cloth is soaked in a container with pure water (free from diesel fuel, grease, oils, and other oil products) for 5-7 minutes. The Spilltex® cloth is completely submerged in the water. If it's impossible to do, the cloth is soaked in parts. The uniformity of wetting the surface of the Spilltex® cloth is controlled by visual inspection. The dry surface of the Spilltex® membrane exposed to petroleum products reduces the efficiency of the Spilltex® cloth.

Do not wring out the Spilltex® cloth after the soaking procedure!

2.3 Spilltex® cloth installation

Two or three men are required to install the Spilltex® cloth.

The drainage cloth is attached to the banks with 200 mm pegs (or 400 mm for less dense soil) in the way of the flow to purify rivers, streams, and etc.;

The Spilltex® cloths are overlapped to protect surfaces and ensure a uniform sealing coating. Spilltex® cloths are attached to each other and to the drainage layer by any available tools: staples, a stapler, or universal polymer glue;

Spilltex® cloths are connected to each other with valves on the short side to increase their length.

3. Disposal

The contaminated filter barrier cloth Spilltex® must be disposed of in accordance with existing legislation

Depending on the contamination degree of the Spilltex® cloth with petroleum products and in accordance with the legislation of the Russian Federation, the following FCCW codes are applied:

- 4 43 212 56 61 4 filter cloth made of natural fibers contaminated with petroleum products in an amount of less than 15%).
- 4 43 212 51 61 3 cotton filter cloth contaminated with petroleum products in an amount of 15% or more.

