

## Absorption Capacity of BuuMsorb® fleece materials

The absorption capacity of fleece materials are depending on the respective product.

Depending on the density of the material the absorption and holding capacity can vary between <50% or up to >100%.

The following values and data should clarify the important differences between the oil binding requirements, how much product has to be used, the holding ability and the maximum oil capacity.

After the German oil binder guidelines the following values are related to fuel oil extra light (HEL).

<b>1 kg</b>	<b>oil absorption</b>	<b>oil holding capacity</b>
<b>cotton wool</b>	<ul style="list-style-type: none"><li>• 10,0-13,0 kg HEL</li></ul>	<ul style="list-style-type: none"><li>• 4,5-4,8 kg HEL</li></ul>
<b>fleece</b>	<ul style="list-style-type: none"><li>• 6,0- 8,0 kg HEL</li></ul>	<ul style="list-style-type: none"><li>• 3,5-4,5 kg HEL</li></ul>
<b>pad</b>	<ul style="list-style-type: none"><li>• 3,5- 4,5 kg HEL</li></ul>	<ul style="list-style-type: none"><li>• 3,3-4,1 kg HEL</li></ul>

The core structure of our oil barriers, pillows and booms are from cotton wool like material. Our fleeces, veils and cloths fall under the category fleece materials.

### The following rule of thumb can be derived from this representation:

The maximum intake capacity for engine-, hydraulic- and transformer oil, is approximately 10% Vol. higher and for solvents, petrol, alcohol etc. approximately 15% Vol. smaller.

Our fleece materials are available in hydrophobic/water-repellent and hydrophilic/water-hygroscopic variations as well as different lengths and weights.

If you have questions or specific requests, please do not hesitate to call us. We are happy to advise and assist you.

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