

ABSORBENT AGENTS AND SPILLAGE RESPONSE PRODUCTS

GUIDELINE ON THE PREVENTION OF ACCIDENTS
AND HANDLING HAZARDOUS GOODS
IN EMERGENCY SITUATIONS



KAISER+KRAFT

EVERYTHING FOR THE BUSINESS.



ABSORBENTS / SPILLAGE RESPONSE

Risks can occur anywhere where hazardous materials such as oils, petrol, diesel, chemicals, acids, alkalis, solvents and other such substances are transported, stored, handled or processed: uncontrolled leaks, spillages or drips from machines can result in soil or water contamination and slipping hazards for people and vehicles.

Safety in your company

- Legal regulations, national and international climate laws oblige companies handling hazardous materials to take suitable preventative measures (safety obligation) to prevent negative effects on employees and the environment.
- Avoid high costs and extra work due to penalties and costs for refurbishments, disposal and cleaning up.
- Protect your employees, the environment and your company against hazardous material spillages with our professional absorbent agents.

Prevention

Take precautionary measures in areas at risk with the right absorbent agents and products for spillage response.

In an emergency

You can get fast and effective help for leakages and disasters with the right emergency products that help you prevent further damage.



With this guideline we would like to support you in the selection of the right, and therefore most effective and inexpensive, binding agent so that you have the ideal solution at hand for your purposes or your emergency.



ABSORBENT SHEETING

Effective powerful absorption and containment of leaked liquids.

For prevention and emergency response.



Preventative application

In front of or underneath machines and barrels.
As a tray for contaminated tools and machine parts on the workbench and work surfaces.

On pedestrian and vehicle paths in indoor areas.
Containment of leaked liquids.

Under dripping areas. For parts cleaning. On paved and unpaved ground.

Dust-free use.

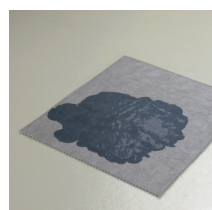
Use in emergencies

Absorption of leakages in indoor and outdoor areas, on preferably flat floors.
Pollutant containment and absorption of liquids.

It's this quick and simple



Lay out absorbent sheeting ...



allow it to absorb ...



dispose of saturated absorbent sheeting

Further products for the prevention and management of spillages can be found under

www.kaiserkraft.co.uk/Binding-agents

ABSORBENT SHEETING MADE FROM 100 % POLYPROPYLENE FIBRES

Your advantages

Low costs

- Extremely high absorption capacity, up to 25 times the unladen weight
- Super absorbent – for less material consumption
- Low disposal costs due to unladen weight and high absorption capacity
- Up to 70 % lower disposal costs than with conventional binding agents
- Consumption quantity is easier to monitor
- Depending on application area, absorbent sheeting can be used that absorbs oil and not water

Safety and cleanliness

- Dust-free, hardwearing, non-fuzz and therefore does not soil or restrict machines, workplaces and production processes
- Sheeting does not need labour-intensive sweeping up
- No health hazards due to slipping or breathing in dust
- Higher heating value during thermal disposal – less than 0.05 % ash residue

Easy to use

- Ideal for preventative use in front of machines, on and under workplaces, under potential leakage points such as valves, taps, drains, etc.
- Fast, simple and effective action when drips, leakage emergencies, disasters, etc. occur
- Lightweight – and therefore fast, easy and time-saving in use
- Colour-coding (blue, grey, yellow) means you always have the correct sheeting for every purpose

3 ABSORBENT SHEETING

Depending on the type of liquid to be absorbed



OIL

 **Blue**

For oils, petrol, diesel, benzene, toluene, methanol, mineral oils and cutting oils without water. Water repellent, floats on water.

For oil / water separation.

☐ **White: mostly used to protect water against pollution**



UNIVERSAL

 **Grey**

For coolants, solvents, lubricants, hydrocarbons and derivatives, mineral oils, hydraulic fluids, water, emulsions, oils, colours, weak chemicals (absorbs all liquids).



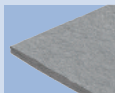
CHEMICALS

 **Yellow warning colour**

For acids (sulphuric acid, hydrochloric acid, acetic acid, etc.), alkalis, aggressive media, alcohols, aromatic compounds and similar substances.

4 APPLICATIONS AND SHEET QUALITIES

Depending on purpose and requirements



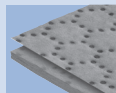
FIRST
1-ply

For basic, one-off usage. Ideal for emergencies and under machines. Open texture on both sides, highly absorbent, fine-fibre structure.

Choice of 2 thicknesses

Medium – for smaller liquid quantities.

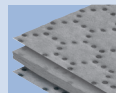
Heavy – extra thick, twice the absorption capacity for large quantities of liquid.



BASIC
2-ply

For standard duty applications. Ideal as a lining under machines.

Highly absorbent, open fine-fibre structure on the bottom. Additional, reinforced protective sheeting layer on top – hardwearing, non-fuzz and smooth. The bottom layer mops and dries surfaces.

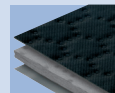


PRO
3-ply

Ideal for permanent, heavy requirements and non-fuzz applications, e.g. for parts cleaning, for mopping, etc.

Open on the inside, highly absorbent fine-fibre structure, reinforced on top and bottom by additional protective layer.

Hardwearing on both sides, fuzz free and smooth, very durable, highly absorbent, tear resistant.



PRO PLUS
3-ply

Ideal in front of machines as lining, as floor matting.

Can be walked and driven over. 100 % floor protection.

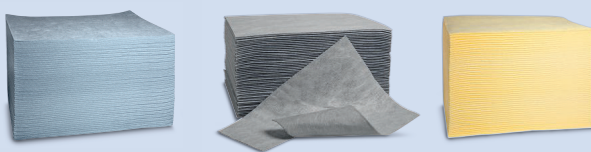
Open on the inside, highly absorbent fine-fibre structure, reinforced on top – hardwearing, non-fuzz and smooth, additional dense, anti-slip film on bottom.



FORMATS

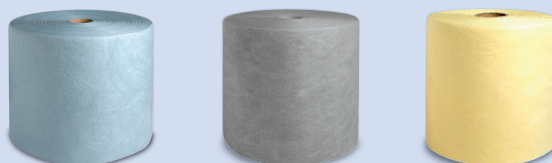
Absorbent cloths

Practical sizes, perforated longitudinally down the middle.



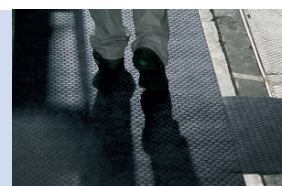
Absorbent rolls

For larger areas.
For cutting to size.
Cloth formats 40 x 50 cm.



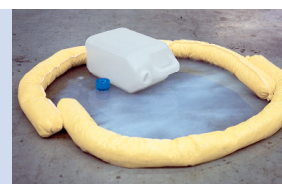
Absorbent walkways matting

Anti-slip and leak-proof bottom side. Can be walked and driven over.



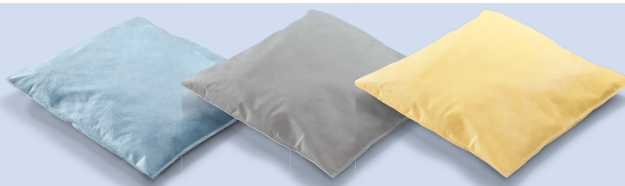
Fleece absorbent socks

For containing hazardous substances.
Are placed around potential leakage points such as machines, drums, etc.



Fleece absorbent cushions

For absorbing large quantities of liquid. For preventative use at potential leakage points such as valves, taps, drains, etc.



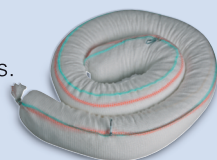
Emergency sets

For keeping in store as a precaution.
Quick, effective absorption of leakages after accidents, disasters, etc.



Water barriers

For preventative use and for emergencies.
Containment and hazardous substance absorption on water bodies.



Drum covers

Catching drips from 200-litre drums when filling / emptying.



Further products for the prevention and management of spillages can be found under

www.kaiserkraft.co.uk/Binding-agents

ABSORBENT GRANULATE

Use in emergencies

Hazard containment and collection of larger leaks mostly on paved areas indoors or outdoors.

Also on rough and porous ground such as asphalt.

Suitable for removing longer oil tracks.

It's this quick and simple



Spread evenly on the leakage...



allow to absorb for a short time...



sweep up and dispose



Universal absorbent concentrate

Can be universally used as an oil and chemical binding agent and is generally suitable for nearly all liquids. Unsurpassed for absorbing pastes, i.e. thick substances such as resins, varnish, glue, etc.

Extremely absorbent, fast working. The only universal absorbent concentrate on the market with TÜV certification.

Low disposal costs due to low weight and an ash residue content of 0.2 % when burned. Somewhat sensitive to the wind when used outdoors.



General purpose binding granulate type III R



Powerfully absorbent oil and chemical binding agent made from highly porous volcanic stone for all roads and industrial surfaces.

Approved for use on public and company-internal traffic surfaces.

Absorbs oils, water-based liquids, acids, alkalis, oxidising and flammable liquid chemicals. DEKRA-tested for suitability of absorbing biodiesel.

High oil retention capacity and very good absorption qualities in rainy weather. Low weight. PE sack with resealable dosing nozzle for economic and targeted use.

Can be used on company premises and in industrial plants, production halls, workshops, logistics companies and on motorways and streets and by fire brigades. 3x DEKRA tested. Granulation 0.3 – 4 mm.

Cork Sorb oil absorbent granulate type I, II and III R



Multi-award winning, environmentally sound binding agent. DEKRA-tested.

Cork is a sustainable, 100 % natural, regenerative and biologically degradable raw material.

Suitable for absorbing every kind of spilled or leaked oil, solvents or other organic compounds. Largely chemically inert, floats and flame resistant.

For use on roads, industrial floors and



water surfaces. Approved for use in the food-stuffs industry.

1 kg Cork Sorb absorbs 4.8 litres of oil.

FORMAT

Granulate loose in sack

For scattering



Granulate in absorbent sheeting

- Absorbent sock
- Absorbent cushion



CLASSIFICATION OF OIL ABSORBENT MATERIALS

Type I

Oil absorbent agent with particular suitability for use on all water bodies

Type II

Oil absorbent agent for brief use on smaller water bodies and on firm land

Type III

Oil absorbent agent for special requirements on firm ground and roads

Addition R

Ensures sufficient grip on the road after use



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DISPOSING OF USED ABSORBENT AGENT IN AN ENVIRONMENTALLY RESPONSIBLE MANNER

- In principle, the disposal of used absorbent agent depends on the substance absorbed and its waste key number.
- The corresponding substance basis of the absorbent agent must be observed.
- Absorbed oils, emulsions or chemicals must be permanently bound by the absorbent agent.
- It should be possible to dispose of the binding agent in an environmentally friendly manner. A high heating value and low ash residue content is optimal for thermal disposal of a absorbent agent.
- A binding agent with a low unladen weight and high absorption capacity eases the strain on the environment in terms of logistical savings and lower disposal costs.

WHO IS RESPONSIBLE FOR THE DISPOSAL?

- In principle, whoever created the waste, i.e. whoever used the absorbent agent is responsible for disposal.
- Used absorbent materials that have been contaminated with hazardous substances may have to be classified as disposed of as accountable waste or according to EU law as hazardous waste.
- The waste creator remains responsible for the waste until its ultimate disposal.
- Depending on the waste classification, the waste creator must be able to present evidence of the location of the waste.

OTHER PRODUCTS

FOR PREVENTION AND SPILLAGE MANAGEMENT



Flexible polyurethane seals

Quick protection against leaking liquids. Prevents dangerous and environmentally damaging substances from entering the drainage system.

Can be used immediately, reusable, easy to clean.



Collection tarpaulins for roof leaks

Dripping liquids from roofs, pipes, hoses can be collected and drained off as required.



Folding universal sump trays

Can be deployed immediately, transportable, light folding trays.



Folding sump trays



Permanent barrier rolls

Permanent protection against unwanted spreading out of liquids.



Safety drums / salvage barrels

For the safe transport and for salvaging damaged drums containing hazardous substances.

Many additional preventative spillage response products can be found in our webshop under www.kaiserkraft.co.uk/Binding-agents

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