

## Application examples



### Land/Industry

#### Acute leaks

Laying under a machine with a defective hydraulic hose

#### Preventive

In garages before an oil change or in wind turbines



### Water

#### Acute leaks

Combating oil leaks from a damaged ship

#### Preventive

Before carrying out cleaning work in a ship dock

# Product Data Sheet

## CARBBIND PADS

CARBBIND pads are filled with the highly effective modified organic synthesized collagen fibre, CARBBIND Loose Fiber®, and are therefore particularly suitable for absorbing all oils, fuels and a variety of chemicals.

CARBBIND pads can be applied several times if necessary until the degree of saturation is reached. The pads are made of a robust non-woven fabric that is tear-resistant non-flammable and dustproof, but at the same time allows oils and fuels, etc., to pass through easily. After a short contact time, the substance to be absorbed reaches the filling material [CARBBIND Loose Fiber®].

CARBBIND pads consist of different chambers to ensure optimum distribution of the binding agent.

CARBBIND pads are fitted with aluminium eyelets so that several pads can be linked together [e.g. with carabiners]. In this way, a continuous absorption carpet can be formed.

CARBBIND pads are suitable for use in indoor and outdoor areas. The pads can be used both on land and on water; the non-woven fabric and the properties of CARBBIND Loose Fiber® make the pads particularly suitable for use on water. CARBBIND pads are also suitable for tackling acute leaks and for preventive use.

The CARBBIND pads are coloured green/orange so that they are clearly visible on the water (signal or warning effect). It is easy to see on both sides if the pads have come into contact with the leaked substance.

### Important factors affecting the absorption performance and duration:

- Density (kg/m<sup>3</sup>) of the medium to be absorbed
- Viscosity (cSt) of the medium to be absorbed
- Movement of the pad in the water
- Contact time



Criterion	CARB BIND Pad 3k	CARB BIND Pad 6K	CARB BIND Pad 9K	CARB BIND 4x4 Service Pad small	CARB BIND 8x8 Service Pad large
Filling material	CARB BIND Loose Fiber®	CARB BIND Loose Fiber®	CARB BIND Loose Fiber®	CARB BIND Loose Fiber®	CARB BIND Loose Fiber®
Filling quantity in kg	2,5 kg	4,5 kg	10,0 kg	1,0 kg	5,0 kg
Absorption capacity	ca. 12,5 – 20,0 l	ca. 22,5 - 36,0 l	ca. 50,0 - 80,0 l	ca. 5,0 – 8,0 l	ca. 25 – 40 l
Outer shell material	Spunbond 60g/m <sup>2</sup> non-flammable, meeting DIN 4102 / UL94				
Absorption speed	On water: 100% of max. absorption performance after approx. 90 min. Immediate absorption when used as an absorbent pillow				
Buoyancy	at least 3 days (depending on operational conditions)				
Color	orange/green				
Dimensions	ca. 60x40x6 cm (without the rim, unfilled)	ca. 60x80x6cm (without the rim, unfilled)	ca. 120x80x6cm (without the rim, unfilled)	ca. 40x40x3cm (without the rim, unfilled)	ca. 80x80x4cm (without the rim, unfilled)
Eyelets	1	4	4	4	4
Number of chambers	3	6	9	8	16
Article number	CBXLF401	CBXLF402	CBXLF403	CBXLF301	CBXLF302

## Application notes

- The oil leak should be completely covered with CARBBIND pads.
- To achieve optimum results, it is important that a pad has sufficient contact surface with the oil. With thick layers of oil, the recommendation is to leave a CARBBIND pad on the water for at least 1 hour. The pads will remain buoyant in the long term.
- All product variants are fitted with eyelets. These variants are very suitable for the creation of large absorption carpets. To do this, the pads must be laid end to end with the ends overlapping. The pads can be securely connected to each other using carabiners.
- The absorption process can be accelerated by rotating the pads during use.
- After the absorption process is complete, the CARBBIND pads can easily be retrieved from the water surface again. The absorbed oil is also retained in the pad when under pressure. There is no need to worry that the oil can be "wrung out" like a sponge.

## Disposal

After use, contaminated CARBBIND pads must be disposed of properly in accordance with applicable waste legislation. The covers of the pads can be incinerated without any problems.

## Storage

CARB BIND pads should be stored as dry as possible.

The shelf life of CARBBIND Loose Fiber® is at least 5 years.

To prevent damage to the cover, CARBBIND pads should not come into contact with sharp-edged objects during storage or handling.

## Safety Information

None; occupational health safety checked by the Hygiene Institute of the Ruhr Area.

## CARBBIND 3K-Pad (1/4 EPAL palett)

**KG 2,5 L 12,5 - 20,0**

3-chamber pad 60 x 40 x 6 cm  
One eyelet. Filled with Loose Fiber®.



## CARBBIND 6K-Pad (EPAL 6 half palett)

**KG 4,5 L 22,5 - 36,0**

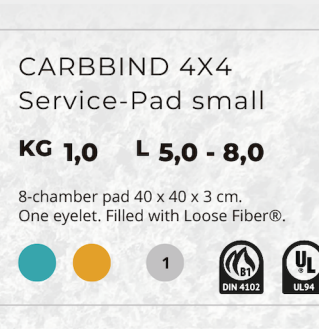
6-chamber pad 60 x 80 x 6 cm.  
Four eyelets. Filled with Loose Fiber®.



## CARBBIND 9K-Pad (EPAL 1 Europalett)

**KG 10,0 L 50,0 - 80,0**

9-chamber pad 120 x 80 x 6 cm.  
Four eyelets. Filled with Loose Fiber®.



## CARBBIND 4X4 Service-Pad small

**KG 1,0 L 5,0 - 8,0**

8-chamber pad 40 x 40 x 3 cm.  
One eyelet. Filled with Loose Fiber®.



## CARBBIND 8X8 Service-Pad large

**KG 5,0 L 25,0 - 40,0**

16-chamber pad 80 x 80 x 4 cm.  
Four eyelets. Filled with Loose Fiber®.



CARBBIND Loose Fiber® is the registered trademark of CARBBIND solutions GmbH.

CARBBIND Loose Fiber® consists 100% of a modified organic synthesized collagen fibre - free of artificial additives. Minor fluctuations in some technical data may occur naturally.

The performance of CARBBIND Loose Fiber® depends on the substances to be absorbed - incorporated mechanical support may be necessary.