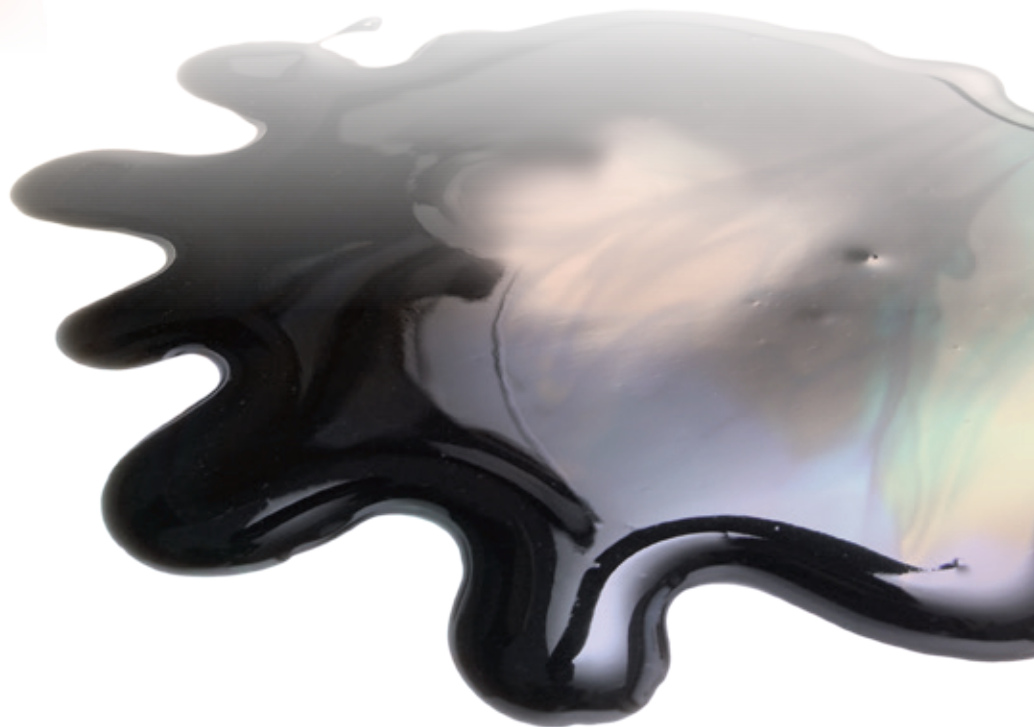
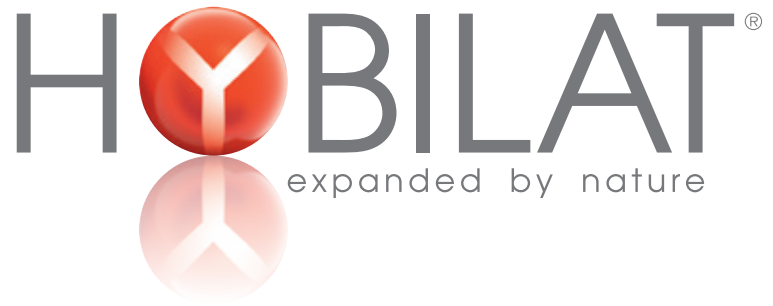




BIL





SAFETY & ECOLOGY

The first oil and chemical binder with DEKRA Test Certification. The HYBILAT-A® and HYBILAT-N® binders are chemically neutral and non-toxic. If necessary, they can be easily and quickly applied. Even in an oil saturated state they are slip proof.

If contamination or accidents occur involving petroleum, petroleum products and chemicals, the use of tested binders is a safe and reliable way for damage control. The protection of people and the environment is the key point; therefore the requirements for binders are very high and established by experts from the Environment Agencies and the industry at large.

RAW MATERIAL AND PROPERTIES

HYBILAT® binders from Rotec consist of highly porous, volcanic rock foam, whose origin dates back to a massive volcanic eruption approximately 12,500 years ago. The vitrified stone melt rose under extreme pressure from the inner core of the earth and thereafter relaxed during the ascent to the surface due to the rapid expansion of the trapped gases. By simultaneously hardening, the 2192 °F hot magma cooled off thus forming pores. This natural silicate granulate is chemically neutral and has a 80% pore volume thereby achieving the optimum bulk density (approx. 40.1 oz/Gallon) of the natural granulate, a strong absorption strength and high holding capacity with almost all liquids.

APPLICATION

HYBILAT® is sprinkled with a layer thickness of about 0.12 inch and swept away after the absorption. Before applying the compatibility of the binder with the absorbed liquid is examined. The disposal of pollutant mixture should be in accordance with applicable regulations. Oil-contaminated soils must be softed with solvents and then sprinkle with HYBILAT®. Without absorbed liquid HYBILAT® is not flammable. HYBILAT-A® conforms to the requirements of Type III R oil binders in compliance with LTws No. 27. HYBILAT-A® is the first oil and chemical binder with the DEKRA test certificate. According to the DEKRA certificate, HYBILAT-A® conforms to the requirements of Type III R oil binders in compliance with LTws No. 27. From an industrial hygiene point of view HYBILAT® is safe that is confirmed through tests of the universal binder by the Hygiene Institute of the Ruhr, Gelsenkirchen, Germany.





HYBILAT-A[®]

expanded by nature

General-purpose binder Typ III R for oil and chemicals

HYBILAT-A[®] is quickly and safely usable with all known and tested liquids in traffic areas as well as industrial and warehouse floors. The liquids are safely bound by Hybilat-A without gas development or temperature increase.

Its low weight is especially of advantage in the case of manual operation and large area application.

HYBILAT-A[®] is binder

- for hydrochloric acid, concentrated nitric and sulfuric acid, pure acetic acid
- for basic (alkaline) substances (leaches); Sodium hydroxide (33%), triethanolamine, chlorine bleaching (10%)
- for flammable, combustible liquids, heptane, THF, toluene, ethanol (96%)
- for non-water soluble organic liquids, palm oil, bio-diesel, ethyl acetate
- for water-miscible organic liquids; pentanol, DMSO, triethanolamine
- for oxidative substances, hydrogen peroxide (30%), conc. Perchloric acid, chlorine bleaching (10%)
- for aqueous polar liquids, ethylene glycol, magnesium chloride (33%), methyl cellulose (0.5%)

HYBILAT-N[®]

expanded by nature

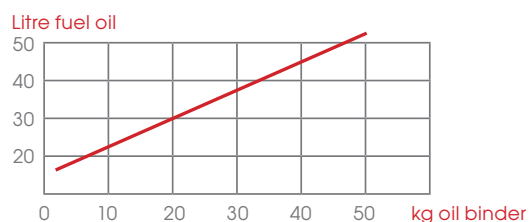
All purpose binder type III R for different liquids

HYBILAT-N[®] is the universal binder for the absorption of water, oils, drilling emulsions, paints and acids.

HYBILAT-N[®] meets the requirements of oil binders according to the data sheet LTWS No. 27 and therefore ideally suited as an oil absorbent on Type III R traffic areas.

With 220.5 lbs HYBILAT-N[®] a floor space of 12920 FT² can largely be covered dust-free.

The 48.5 lbs container is enough for about 2800 FT², with a layer thickness of 0.12 inch.



With the HYBILAT-A[®] and HYBILAT-N[®] binders, two options are available that can be quickly and safely used as needed. They are chemically neutral and non-toxic, provide high stability and are anti-slip even when oil saturated.

for more information
www.rotect-nature.com



	HYBILAT-A [®]	HYBILAT-N [®]
Grain size	0.03 inch - 0.16 inch	0.01 inch - 0.16 inch
Bulk weight	approx. 40.1 oz/Gallon	approx. 40.1 oz/Gallon
Absorption behaviour	Bag contents binds about 3.6 Gallons of heating oil	Bag contents binds 5.4 Gallons of heating oil
Holding ability	up to 200%	-
Oil holding capability	after 2 hours of exposure time no oil is released	after 2 hours of loading time no oil is released
Storage	dry and safety	dry and safety
Packaging	11.0 Gallon bag (about 33.0 lbs)	16.9 Gallon bag (about 48.5 lbs)

Please feel free to get information about our other products:



The innovative lightweight aggregate



The ecological plant substrate



The effective natural grit



The environment friendly oil and chemical binder



www.rotec-nature.com



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