



Product Data Sheet

DeconGel™ 1108

Product Description

A one-component, water-based, broad application, peelable decontamination hydrogel.

Recommended Uses

DeconGel 1108 is recommended for decontamination of radioisotopes as well as particulates, heavy metals, water-soluble and insoluble organic compounds, including tritiated compounds. The hydrogel coating can be applied to horizontal, vertical and inverted surfaces and can be applied to most surfaces including bare, coated and painted concrete, aluminum, steel, lead, rubber, plexiglas, herculite, wood, porcelain, tile grout, and vinyl, ceramic and linoleum floor tiles. When dry, the product locks the contaminants into a polymer matrix. The film containing the encapsulated contamination can then be peeled and disposed of according to appropriate local, state and federal regulations.

Advantages of DeconGel 1108

- No preparation or mixing required
- Easy application
- Simple decontamination
- High decontamination factors
- User and material/substrate friendly
- Minimal odor, respirator requirement determined by substance and environment
- Penetrates and removes contamination from cracks, pores and voids
- Dries into tough film that is easy to peel and dispose
- Minimizes contaminated waste material
- Ability to re-hydrate for forensics
 - Wet Analysis
 - Filtration of particulates

Product Characteristics (for reference only)

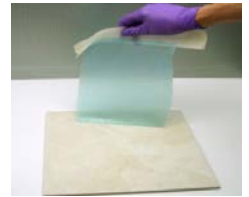
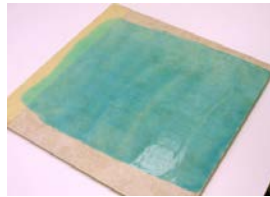
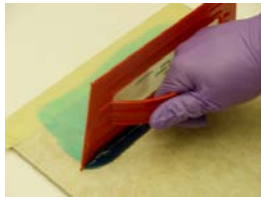
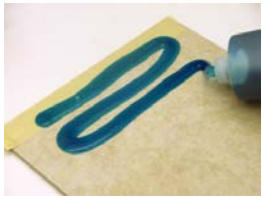
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| ➤ Appearance | Blue liquid |
| ➤ Applicator | Paint brush, V-tooth trowel |
| ➤ Density | 8.35 - 8.65 lbs/gal |
| ➤ Viscosity | 8,000 - 18,000 cps (Brookfield, spindle 4, 30 rpm, 25°) |
| ➤ pH | 4.0 - 7.0 |
| ➤ Decontamination | Up to 100% |
| ➤ Average coverage | 25 to 150 ft ² per gallon |
| ➤ Preparation | Ready to use |
| ➤ Shelf life | 5 years |

Application Procedure — Apply, Dry, Peel

Coating thickness required for good peel characteristics varies with substrate and generally increases with substrate porosity. Drying time increases with wet film thickness and can vary.

It is recommended that first-time users of DeconGel learn how long the product will take to dry in their own environment by first testing a small area that will be decontaminated.

- DeconGel can be used directly from the container without any stirring.
- Simply apply, allow to dry, and peel. Dispose of the peel according to appropriate local, state and federal regulations.



We recommend:

- 1) The use of a paint brush or trowel to apply DeconGel 1108.
- 2) For nonporous and semi-porous substrates, a 1/8" or 3/16" V-tooth trowel is recommended. For porous substrates such as concrete or wood, a 3/8" V-tooth trowel is recommended.

DeconGel 1108 is recommended for most decontamination jobs on hard surfaces ranging from porous to non-porous surfaces. For non horizontal surfaces, the suggested number of coats is one or two coats for non-porous and semi-porous materials and three or four coats for porous surfaces such as concrete and wood, with about two hours drying time between coats. The coating thickness required for good peel characteristics varies with substrate and generally increases with substrate porosity. A coat is defined as a wet film thickness that results in a small amount of sag visible after a few minutes. **The recommended application temperature is >41°F (5°C). DO NOT DILUTE DECONGEL.**

Drying Time

Drying time depends on a combination of the ambient humidity, temperature, type of substrate and applied wet film thickness. This can take from as little time as an hour for thinner coats in a dry environment with considerable airflow, to overnight or longer if thicker coats are applied in humid environments (e.g., thick coats on porous concrete). Drying times exceeding 24 hours may be required for good peel performance on bare concrete, wood and other highly porous substrates when thick films are applied in humid environments. Applying supplemental heat can reduce drying times.

Recommended Storage Conditions

Store DeconGel 1108 at <110° F (43° C). If cold or frozen, allow DeconGel 1108 to warm to >40°F (4°C) before use.

Safety Recommendations

DeconGel 1108 is safe when used as recommended. Please review the product Material Safety Data Sheet for detailed safety information.

To order or learn more about DeconGel 1108, please contact CBI Polymers, Inc.

1-808-949-2215 ext. 146, questions@decongel.com , www.decongel.com