

Slurry-Sponge

Item No: SSponge – 100 – 10

1. Description

Diamapro[®] Slurry-Sponge is a proprietary economical blend of surface cross-linked sodium polyacrylate superabsorbent polymers that features a consistent particle size. It rapidly solidifies a wide range of water-bearing wastes. This slurry solidification agent can be used with water, water / cement slurry, silt and many water-borne paints that require disposal in a solid form.

Diamapro[®] Slurry-Sponge is a non-hazardous super absorbent used in many industries to solidify liquid slurries into a solid producing a material that is accepted in many landfills. It's leaching resistant properties produce a solid that is paint filter test compliant.

2. Features / Recommended Uses

Reasons for using Diamapro[®] Slurry-Sponge:

- Pass EPA Paint Filter Test
- Reduce Disposal Costs
- Avoid Costly Transportation of Liquids
- Reduce Handling & Mixing Costs
- Safe to Handle, No Special PPE Required

Diamapro[®] Slurry-Sponge solidifies:

- Concrete Slurry
- Waterborne Paints
- Coal Ash/CCRs
- Wastewater
- HDD Drilling Muds
- Oil & Gas Drilling Fluid
- Mixed Waste Streams

Features

- Solidifies immediately after it is induced
- Forms a very stable, non-flowing solid
- Produces an easy to manage concrete slurry solid
- Adds less than 3% by volume to the final solid mixture reducing hauling costs
- Absorbs 200-300 times its own weight in wastewater
- Helps solidified waste pass Toxicity Characteristics Leaching Procedure (TCLP) EPA Method 1311
- Helps pass EPA 9095B paint filter test for compliant landfill disposal
- Captures the solids component of the slurry allowing the water to evaporate reducing overall weight over time
- Solidified slurry will pass the EPA – TCLP and paint filter test allowing for compliant disposal into most landfills.

Recommended Uses

- **Diamapro[®] Slurry-Sponge** is non-hazardous and an environmentally sound solution for the solidification of concrete slurry and many types of paints and silt.
- Produces a solid once induced to safely remove cement slurry from a jobsite.
- Produces a solid when induced into many paint types ready for disposal

3. Technical Data

PHYSICAL PROPERTIES

- Appearance: Semi-granular
- Odor: Negligible

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- Particle Size Distribution 100-900 micron
- Absorption Capacity (Distilled Water)
 - 350-400 g/g
- pH 5.5 – 6.5
- Compatible with cement slurry (cement fines and water mixture)
- Compatible with most paints (testing recommended)
- Packaging 35lbs. pail

4. Limitations

DiamaPro® Slurry-Sponge is used with water-borne slurries only.

DiamaPro® Slurry-Sponge must be kept away from any water source (rivers, lakes, water drainage) that is not intended to be solidified.

DiamaPro® Slurry-Sponge must be kept out of pools, fountains and other water holding structures.

DiamaPro® Slurry-Sponge can cause a slippery surface when used on a floor when removing cement slurry.

5. Application Procedures and Instructions

Concrete Slurry Solidification

Deposit concrete slurry into a containment drum suitable to hold liquid.

Mix **DiamaPro® Slurry-Sponge** into the slurry at 1 pound (18 fluid oz.) to 5-10 gallons of slurry mixture. Mix for 5 minutes to create the reaction. The reaction will start immediately.

Once solidified, shovel solid granular mixture into trash bags and dispose of as normal construction waste. If spread out and allowed to dry the disposable weight will be reduced by the weight of the evaporated water.

General Solidification

Add 1 pound of **DiamaPro® Slurry-Sponge** for each 5-10 gallons of water-borne paint / silt / concrete slurry. Mix until the dry granules contact the water. Absorption will start immediately upon contact. Add more **DiamaPro® Slurry-Sponge** if a drier consistency is desired. Evaporation can reduce the total weight over time.

6. Availability

DiamaPro® Slurry-Sponge is only available through **DiamaPro® Systems** Authorized Distributors. Packaged in 35lbs. pails. For a list of Authorized Distributors please contact **DiamaPro® Systems**.

7. Conditions of Sale / Limited Warranty

DiamaPro® Systems warrants this product for one year from date of purchase to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase prior replacement of this product exclusive of any labor costs at the discretion of **DiamaPro® Systems**.



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8. Technical Services

The **Diamapro® Systems** office offers aid with specifications, performance test data and field services.

9. Disclaimer

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