



Advanced Polymer Technology

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# Laykold<sup>®</sup> Deep Patch

## 1. General Description

Laykold Deep Patch is a high strength acrylic cement modifier. An advantage of using Deep Patch is that it cures quickly making a hard, tough, and durable patch. Deep Patch does not contain asbestos, lead, or Mercury.

Basic Uses: Deep Patch is designed for mixing with Portland cement and sand. It can be used over new or existing asphalt or concrete recreational surfaces. Deep Patch can also be used to fill cracks, and will not sink like elastomeric crack fillers.

## 2. Safety Guidelines

Always wear the recommended personal protective equipment. Avoid contact with eyes, skin, and clothing.

## 3. Storage and Packaging

Deep patch should be kept dry and cool. Storage temperature should be between 4°C (40°F) and 32°C (90°F).

Packaging: 55 gallon drum (215 kgs/drum) or 6 gallon pails (20 kgs/ pail).

## 4. Coverage

For thin patches of 3/8" or less:

Premix 5 gallons dry, 90 mesh silica sand with 1 gallon of Type 1 Portland Cement. Add 2-3 gallons of Deep Patch, and mix thoroughly with a mechanical mixer.

For patches 3/4" or less:

Premix 5 gallons dry, 60 mesh silica sand with 1 gallon of Type 1 Portland Cement. Add 2-3 gallons of Deep Patch, and mix thoroughly with a mechanical mixer.

For patches greater than 3/4":

Patch in successive lifts, each no greater than 3/4". Follow the previous mixing instructions, and leave the first coat in a rough condition to provide an additional mechanical bond, It is imperative that each coat is fully cured prior to application of the second coat.

## Features and Benefits

- ✓ Quick curing
- ✓ Environmentally Friendly
- ✓ Can be used over new or existing asphalt or concrete recreational surfaces
- ✓ Does not contain asbestos, Lead, or Mercury



## 5. Installation Guidelines

The surface upon which Deep Patch is to be applied must be free of dirt, loose and flaking paint, vegetation, chemical or oily residues or any other substances that might inhibit good adhesion. Mechanically roughening the area will aid in adhesion, and should be done if the area is too smooth. Do not mix more material than can be placed in 15 minutes. A trowel or straight edge should be used to apply material. Should the material become stiff while working, dip tool in clean water for easier working. Edges of the patch should always be "feathered" so there is a smooth transition at the edge of the patch. It is sometimes necessary to use a coat of Acrylic Resurfacer mix to blend in the patch. Patches filled with Deep Patch must be allowed to thoroughly cure prior to applying the next coating application. Cure time depends on the depth of the patch, and may take up to 24 hours.

## 6. Limitations

- Do not apply when surface temperature exceeds 130°F (54°C).
- Do not apply when temperatures are below 50°F (10°C) or when rain is imminent.
- Do not use calcium chloride or calcium chloride based mixtures in Deep Patch.
- Drying time depends on weather and patch thickness.
- DO NOT ADD WATER. Adjust viscosity by adding more Deep Patch.
- Fresh hot mix asphalt surfaces continue to move for several months, and any acrylic modified concrete patch may have a tendency to crack as the substrate moves.
- If you experience white staining over the patched area, you are probably using too much concrete in the mix.

## 7. Technical Data

*Results based on temperature of 77°F and 50% Humidity*

VOC		0 g/L*
Appearance		Liquid, White

\*based on standard formula calculation

*Above figures are guide values and should not be used as a base for specifications.*

*Consult the Material Safety Data Sheet / Safety Data Sheet for more details.*

For complete and latest warranty and product information, please visit [www.advpolytech.com](http://www.advpolytech.com)

