

GAP|PATCH™

APPLICATION INSTRUCTIONS



Description and Use:

Gap Patch is a permanent repair for potholes in highways and municipal streets. It is designed for application in ambient conditions below 85°F and can be applied in winter weather under imperfect conditions. It is ideally suited for concrete and asphalt pavement repairs at least 2 inches deep and between ½ and 10 square feet in area. Gap Patch is hot applied, and is formulated with polymer modified asphalt and engineered aggregates capable of bearing heavy loads and traffic.

Equipment:

The material shall be melted using a manufactured applicator specifically designed for melting, heating and application of modified polymerized asphalt sealants with aggregate. The kettle agitator must be capable of keeping aggregate evenly suspended in heated material.

Material Heating Instructions:

- Add 5 blocks of material to empty melter and begin heating.
- Heat kettle transfer oil to 410°F.
- Heat material temperature to 320°F.
- Once material reaches temp, continuous agitation is recommended to ensure even distribution of aggregate.
- Once material is at temp and agitating, additional blocks can be added to melter as needed. **(stop agitation while placing material into melter)**
- Temperature should be closely monitored to avoid overheating of oil or material. Heating material above recommended temp will cause aggregate to settle excessively during application.
- It is best to empty kettle completely at end of day for easier subsequent start up.
- If emptying kettle is impractical, **use the following procedure to reheat a full kettle:**
 - Heat outside oil jacket to 450°F.
 - Turn off the kettle and allow the heat to work into the center of the kettle for 1 hour.
 - Repeat this procedure until the material temperature has reached 320°F
-- This will normally take about 4 cycles.
 - Start the agitator and mix the material thoroughly.
 - Apply material as usual.

Pavement Preparation:

Repair area must be free of standing water and debris and moisture content should be below 12% in top 2 inches of pavement.

Material Application:

- Make sure material is at proper temperature and evenly mixed.
- Preheat valve and material chute with torch for several minutes. Keep flame in constant motion so metal is not overheated.
- Open material application valve.
- It is common for material to plug application valve. Plug can be removed using a combination of preheating valve and using a heated auger tool to start material flow.
- Once material is flowing, allow required amount to flow freely into repair.
- Level hot material with GAP finishing tools.
- If finishing tools are heated, keep temperature below 350°
- Allow applied material to cool to 100° on surface before allowing traffic or pedestrians onto repair area.

Material Handling:

Care should be taken when placing blocks of material into the melter to make sure hot melted sealant from inside the melter does not splash on the operator. **CAUTION: do not add material while agitation is in progress. Stop agitator before adding material.**

Material Storage:

Gap sealants are shipped in waterproof PolySkin™ containers allowing for worry free storage. Pallets should be kept wrapped until used and should not be left in the sun for long periods of time. If pallets are to be stored for a period of time greater than six months, it is recommended that they be covered with a tarp to prevent damage to packaging from UV Exposure.

Contact us for more information

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SAFETY PRECAUTIONS

The following safety precautions should be taken to prevent injury when working with Gap Patch Materials.

- Always wear gloves with wristlets and proper clothing that will cover arms and legs.
- Wear safety glasses or goggles to protect the eyes.
- Only use tools approved for applying Gap Patch.
- Take care when loading the melter. Turn off the agitation and only introduce blocks into the melter in a manner that will prevent splashing of the sealant onto the operator.
- Take care to avoid breathing the sealant fumes.
- Use proper traffic control procedures to provide adequate safety from moving vehicle traffic when applying Gap Patch on roads and highways, or other areas exposed to vehicle or aircraft traffic.
- Use measures meeting or exceeding local regulatory requirements to prevent pedestrian or other traffic from gaining access to the work area while sealant is still in the uncured or molten state.