



RAMSEY ASPHALT
CONSTRUCTION

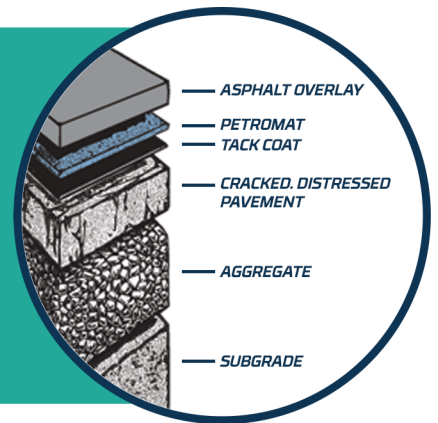
PETROMAT®

**What is
PETROMAT®?**

PETROMAT® is a *nonwoven polypropylene geotextile*. When used in combination with an asphalt tack coat, the PETROMAT® system forms an asphalt membrane interlayer with the pavement section. This layer acts as a barrier to surface water infiltration and limits softening of the subgrade and the freeze-thaw damage, which would otherwise occur. The PETROMAT® membrane also absorbs stress, improving resistance to pavement fatigue and reflective cracking. These combined PETROMAT® functions have been widely used to extend the life of asphalt cement concrete overlays and chip seal surface treatments.

FEATURES & BENEFITS

- Increases moisture resistance
- Increases stress absorption
- Full lane width rolls covers one lane with one pass
- Replaces 2" of asphalt
- Mitigates reflective cracking
- Extends road life by providing a strong moisture barrier
- Mitigates the need for milling



SAVINGS & ADVANTAGES

PETROMAT® prolongs pavement life, facilitates easier installation, & delivers a significant savings by reducing asphalt costs.

APPLICATIONS

PETROMAT® is offered in three different styles to meet your specific project needs:

- *Commercial pavements, parking lots*
- *New and existing pavements*
- *Moisture barrier for asphalt pavements*

The Paving & Maintenance Specialist.

www.ramseyasphalt.com

805.928.9583

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What are **PAVING INTERLAYERS?**

Pavement interlayers are materials, or combinations of materials, which can be placed with the pavement during:

- *New construction*
- *Rehabilitation or*
- *Preservation*

Interlayers are used in conjunction with an overlay or surface treatment. There are several different types of Interlayers.

- *Fabric-Polypropylene*
- *Chip or Cape Seal*
- *Mat-Polyester/Fiberglass*
- *Peel and Stick Membranes*
- *Grids-Non Composite or Composite*

HISTORY OF PETROMAT®

PETROMAT® was first introduced in 1966. Since that time, over a billion square yards of PETROMAT® have been installed around the world. Over a hundred million square yards of paving fabric are installed annually on thousands of jobs in the U.S. Cal Trans and the Department of Transportation use interlayer fabric to this day and have published findings that are readily available on the internet stating the benefits of using the paving fabric to extend the life of the surface.

MISCONCEPTIONS

Hazard to Health

A common misconception of PETROMAT® is that it is considered hazardous to install. This is quite the opposite. There is nothing hazardous about the PETROMAT® interlayer fabric itself or the products used to install the fabric. The controversial misconception is the removal process. If the paving fabric is installed with the proper overlay thickness and the appropriate oil (PG 64-10), then the amount of fabric that goes through the grinding process when recycled at the asphalt plants is minimal. We have never received any feedback from our suppliers indicating otherwise. Over the years we at Ramsey Asphalt have seen improperly installed interlayer fabric and it can be pulled out in strips and disposed of with no additional costs to the customer. Upon removal it is ground out and is part of the asphalt grindings thus not resulting in any negative issues.

WHERE TO USE?

On projects using Hot Mix Overlay or Chip Seals as the final surface. Most interlayers will mitigate reflective cracking and reduce the amount of surface water that will penetrate into the pavement structure. Some interlayers will also allow for a reduction in thickness of the proposed overlay because interlayers also provide stress and/or strain relief for the subsequent surface treatment. By accomplishing these goals interlayers can help the new pavement surface last longer, provide a smoother ride throughout the life of the pavement by reducing cracking and require less maintenance in the future. This will provide a cost effective life cycle for pavement preservation or rehabilitation. Most interlayers require a minimum of 2" overlay to complete the application process. However this minimal overlay will not reduce reflective cracking. Therefore most City and County agencies along with Caltrans allow for a 2" overlay for standard maintenance. The additional layer of fabric along with proper 2" overlay installation on average extends the life of the surface for many years. The key to extending the life of the surface to its maximum potential is the required maintenance and the appropriate overlay. We have personally installed on some commercial properties and seen the life extension of over 17-22 years.

CONCLUSION

As with any option in pavement resurfacing or removal and replacement due diligence is key. If you decide to conduct research on your own via the internet please keep in mind there are always pros and cons to anything. There are plenty of positive and negative opinions on paving fabric from either contractors or suppliers. In our research over the years we tend to lean towards viable resources as the Department of Highway Transportation and Caltrans specifications. It is always a Ramsey Asphalt goal to present the options fairly and objectively and leave our customers happy with the end result.



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