

Transportation Safety Division

3M™ Stamark™ P50

Pavement Preparation Adhesive for 3M™ Stamark™ Pavement Marking Tapes

Technical Information

December 2022

1 Precautions

Keep product and its vapors away from heat, sparks, and open flames. Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. Avoid prolonged breathing of vapor or overspray (airborne adhesive particles) from spray applications. Avoid eye contact, avoid prolonged or repeated contact with skin: wear appropriate eye and skin protection! Keep container closed when not in use. Keep out of use of children.

Read all health hazard, precautionary, and first aid statements found in the Material Safety Data Sheet, and/or product label of chemicals prior to handling or use. Also refer to the MSDS for information about the volatile organic compound (VOC) content of chemical products. Consult local regulations and authorities for possible restrictions on product VOC content and/or VOC emissions. Also wear appropriate eye and skin protection.

2 General Explanation

3M™ Stamark™ P50 adhesive is highly flammable - storage and use instructions on the container must be followed. The container should be opened slowly and carefully in the opposite direction of the face to release any excess pressure. 3M™ Stamark™ P50 Pavement Preparation Adhesive has to be applied with 3M™ Stamark™ PS-98 Adhesive Spray Applicator.



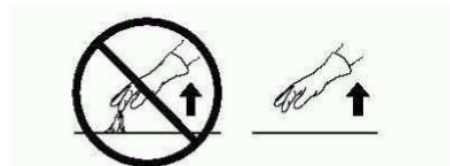
Air and substrate temperature: min. +10°C and relative humidity below 80%.

The surface must be dry. Make sure that it has not rained for at least 24 hours or 48 hours (for applications on concrete surfaces) before installation.

Oil, grease, wax, dust, dirt, and all other substances that impede or prevent adhesion must be removed. Especially when laying on newly produced concrete, the concrete slurry must be removed. If a water jet system is used, a waiting period of 48 hours must be observed before laying. Loose dirt and dust must be removed with a blower.

3 Operation

It is essential to mix the primer thoroughly before use. To ensure optimum primer application, the use of the 3M™ Primer Sprayer PS 98 is necessary. Only small areas such as symbols or arrows should be applied manually with a primer roller. The primer is applied as thinly and evenly as possible. When this no longer draws threads (finger test after approx. 15 minutes), the material can be applied.



Fingertip test

The application of the primer must be checked on the basis of the consumption. Non-route-dependent spraying equipment, such as converted paint application machines, is not permitted. The use of compressed air as a spraying medium is problematic due to the water content of the air and is therefore also not permissible.

After installation, the 3M™ Stamark™ road marking must be pressed well onto the substrate by means of a pressure roller RTC 3 with a load of at least 90 kg (equivalent to 3 kg/cm²) by rolling over at least 3 times. For film widths over 15 cm, we recommend the 3M™ Pressure Roller RTC 300 with a pressure width of up to 39 cm.

Caution! Insufficient pressing of the film can lead to premature product detachment.

Store the product away from heat and sparks in a cool, dry and well-ventilated environment. Avoid storage below freezing point and direct sunlight exposure! Always store the containers closed. It is not excluded that the container is under pressure, so open it extremely carefully. The primer must be thoroughly mixed before use.

Do not use it for more than six months after receipt.

4 Clean Up

When you are finished spraying, pull the PS98 back 3-5m to get the remaining primer from the system back into the can. Place the priming tube in a can of cleaning solvent and a collection container under the spray nozzle and rotate the front wheel until the spray system is flushed. Dispose of the solvent according to local regulations.

5.1 Health and Safety Information

The 3M™ Adhesive Spray Applicator PS-98 is intended to be used to apply 3M™ Stamark™ Surface Preparation Adhesive P50 to the road surface.

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet (MSDS), and/or product label of chemicals prior to handling or use.

5.2 Disclaimer

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5.3 Limitation of Liability

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6 Other Product Information

Always confirm that you have the most current version of the applicable product bulletin, information folder or other product information from 3M's Website at <http://www.mmm.com/tss>.

7 Guarantee /Liability

3M assumes no responsibility for any injury, loss or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer. Prerequisite for the guarantee is that the tape was processed according to the instruction of this technical information folder.

8 Literature References

For additional information regarding 3M™ Stamark™ Tapes, application instructions or 3M™ Application Equipment, view these information folders:

IF PS98 Adhesive Spray Applicator PS-98

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