



Brownells Bedding/Masking Tape is approximately .005" thick and available in 1" and 2" widths. It is used to provide clearance between any point on an action or barrel and the stock when performing glass bedding. It is also used to protect surfaces from abrasive blasting in a blast cabinet. This feature allows the gunsmith to create different surface textures on a single firearm and to protect parts with critical dimensions from abrasive damage or loss of tolerance.



WARNING



Never attempt to disassemble or reassemble a firearm unless you are absolutely certain that it is empty and unloaded. Visually inspect the chamber, the magazine and firing mechanism to be absolutely certain that no ammunition remains in the firearm. Disassembly and reassembly should follow the manufacturer's instructions. If such instructions are not immediately available, contact the manufacturer to see if they are available. If they are not available at all, then you should consult other reference sources such as reference books or persons with sufficient knowledge. If such alternative sources are not available and you have a need to disassemble or reassemble the firearm, you should proceed basing your procedures on common sense and experience with similarly constructed firearms.

With regard to the use of these tools, the advice of Brownells Incorporated is general. If there is any question as to a specific application it would be best to seek out specific advice from other sources and not solely rely on the general advice and warnings given.

HOW TO USE For Glass Bedding

The tape can be used on any area of a firearm where migration of the glass bedding material must be restricted, or extra clearance is needed to facilitate removal and insertion of the barreled action. Examples of this would be keeping bedding material out of the triggerguard assembly on the M1 Garand or M1A, or clearance between the front, sides and bottom of the recoil lug on a bolt action rifle.

Clean the areas to be taped off with Brownells Cleaner Degreaser to remove any oil or grease. Place the tape over the area on the action or stock where clearance is needed. Trim away any excess tape with a sharp knife or razor blade. **CAUTION: DO NOT** scratch metal parts or bluing. Apply release agent to all areas covered with the tape. Follow required bedding instructions to complete the job.

BARREL CHANNEL/FOREARM CLEARANCE

The tape is used to provide a uniform .005" clearance between the barrel and the forearm. This is called "free floating" the barrel when the forearm is bedded full length.

Clean the exterior surface of the barrel with Brownells TCE to remove all traces of oil and grease. Use a removable marker to mark the outside of the barrel at a point just ahead of the chamber and 2" beyond the front tip of the forearm. Cut off a length of the tape that matches the distance between the two marks. Make sure the ends of the tape are cut clean and square. Attach the piece of tape lengthwise on the underside of the barrel. Start at the mark just ahead of the chamber and work forward toward the muzzle. Make sure the tape is smooth, with no ripples or creases. The tape should extend uniformly on either side of the barrel and above the top of the forearm when the barreled action is placed in the stock. Insert the barreled action into the stock and check all parts fit their inletting without binding. Make sure the tape does not pinch against any point on the stock. If it does, relieve wood at that point. Remove the barreled action from the stock and apply a coating of release agent over the tape and on all metal surfaces that might come in contact with the glass bedding material. Barrel preparation is now complete. Follow required bedding instructions to complete the job. Do not remove the positioning marks on the outside of the barrel.

After the glass bedding process is complete and the bedding compound has hardened, remove the barreled action from the stock. Remove the tape from the underside of the barrel. Reinstall the barreled action into the stock and check for uniform clearance between the barrel and the forearm. Slide a single 2" wide, 8" long strip of writing paper between the barrel and the forearm. The paper should slide back freely between the barrel and the forearm to the first point marked on the barrel just ahead of the receiver. Remove all marks from the outside of the barrel.

BROWNELLS[®] BEDDING/ MASKING TAPE

READ & FOLLOW THESE
INSTRUCTIONS

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HOW TO USE FOR MASKING

The high-stick adhesive on this tape will adhere to any clean, degreased, metal surface and will resist peeling back even at blasting pressures as high as 100 psi. It has a high degree of resistance to abrasion so it will stay put and not lose its line, even if subjected to lengthy sessions of abrasive blasting with medias as coarse as 60 mesh silica sand.

Clean all metal surfaces to be blasted with Brownells TCE. Pre-cut lengths of tape slightly longer than the required length to cover the area being blasted. Place the tape on the part and press down lightly. Do not stretch the tape in an effort to move it into place. Vinyl has memory and will leave an area or line unprotected in the blast cabinet. If the area being protected is larger than the width of the tape, use more than one piece of tape and create a seam. Overlap the seams slightly. Do not try to butt the seams together.

If perfectly straight edges are required, as along the top of the side flats on a 1911 Auto slide, the tape can be trimmed with a razor knife using a metal, straight edge as a guide. The tape should be trimmed after you have applied it to the part. Secure the part in a padded bench vise so you have both hands free to guide the knife and hold the straight edge. The tape will cut easily. Cut slowly and carefully. Avoid pressing down hard and scratching the metal surface underneath the tape.

After the tape is trimmed and in place, press down all edges to check and make sure they are firmly attached. During blasting, try to blast in a direction away from the edges of the tape.

Reassemble the firearm according to the manufacturer's instructions. Check for proper functioning using **ACTION PROVING DUMMIES**. Make sure **ALL SAFETY MECHANISMS** are fully functional as designed and approved by the manufacturer. If these tests prove satisfactory, test-fire the firearm with live ammunition in a **SAFE** and **APPROPRIATE** manner. **IMPORTANT!** Start the live ammunition tests by first loading an **ACTION PROVING DUMMY**, then a live round, into the magazine. Only after several tests have been conducted in this manner should additional rounds be placed in the magazine and fired.