

ALL PURPOSE PROTECTIVE COAT



All Purpose Protective Coat is a slurry consisting of refractory powders and a specialized liquid binder specifically designed to be used as a wash coat for refractory models made in Perflex® duplicating material and as a face coat for plastic/wax patterns.

The use of All Purpose Protective Coat during the refractory model and investing steps, will help ensure optimal surface smoothness, thereby improving accuracy and minimizing finishing time and labor.

Typical Material Properties*

Specific Gravity	pH
1.76-1.82	11.30-11.85

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.

Application Instructions for Refractory Models Made in Perflex Duplicating Material

1. Soak the master model for 15-20 minutes in 90-100 °F (32-38 °C) water before pouring Perflex duplicating material.
2. Remove the master model and gently air dry the mold to remove any excess condensate.
3. Pour the All Purpose Protective Coat into the Perflex mold, uniformly coating the entire mold cavity.
4. Invert the mold and shake or vibrate to remove all excess All Purpose Protective Coat.
5. Allow the mold to bench set for several minutes. As soon as the All Purpose Protective Coat surface loses its gloss, immediately pour the investment mix into the Perflex mold with vibration.

Note: Do not allow the All Purpose Protective Coat to dry completely before pouring the investment mix into the mold. If a large number of molds are to be poured, the working time of the molds containing All Purpose Protective Coat can be increased by storing the molds in a refrigerator at 52 °F (11 °C).

Application Instructions Following Partial Denture Wax-Up

1. Apply the All Purpose Protective Coat with a soft brush to all areas of the patterns, wax and sprues. If brushed properly the coating will adhere evenly to all the wax and pattern surfaces.
2. If necessary, repeat the brush application of the All Purpose Protective Coat until all the pattern and wax areas remain coated.
3. Vigorously shake the refractory model to remove all the excess All Purpose Protective Coat.
4. Allow the coat to dry for approximately 10-15 minutes before pouring the backup investment mix.

Application Instructions for Crown & Bridge Wax-Up

1. Securely attach the sprued wax-up on a base using wax.
2. Carefully apply All Purpose Protective Coat using a soft brush to all the surfaces of the wax-up, including the sprues, until all areas remain coated.
3. Vigorously shake to remove all the excess All Purpose Protective Coat.
4. Allow the All Purpose Protective Coat to dry for a minimum of 15 minutes before proceeding with the investing procedure.



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Precautions

- Use with adequate ventilation. Avoid breathing vapors.
- Keep container tightly closed when not in use to avoid evaporation and excessive thickening of the material.
- Store in a cool, dry area between 60-80°F (16-27°C).
- Stir material then shake container thoroughly before use.
- Refer to SDS for additional safety information.

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