

PROTECTIVE COAT POWDER & LIQUID



Ensures Optimal Surface Smoothness

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. Protective Coat powder and Protective Coat liquid can be mixed to your preferred thickness.

A Protective Coat slurry used 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*

Liquid/Powder Ratio	Specific Gravity (Once Mixed)
100 ml/190 g	1.76-1.82

*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 Perfex Duplicating Material

1. Soak the master model for 15-20 minutes in 90-100° F (32-38° C) water before pouring Perfex duplicating material.
2. Remove the master model and gently air dry the mold to remove any excess condensate.
3. Shake Protective Coat liquid well before using.
4. Mix 190 g of Protective Coat powder with 100 ml of Protective Coat liquid to give a uniform dispersion.
5. Pour the Protective Coat slurry into the Perfex mold, uniformly coating the entire mold cavity.
6. Invert the mold and shake or vibrate to remove all excess Protective Coat slurry.
7. Allow the mold to bench set for several minutes. As soon as the Protective Coat slurry surface loses its gloss, immediately pour the investment mix into the Perfex mold with vibration.

Note: Do not allow the Protective Coat slurry 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 Protective Coat slurry can be increased by storing the molds in a refrigerator at 52° F (11° C).

Application Instructions Following Partial Denture Wax-Up

1. Shake Protective Coat liquid well before using.
2. Mix 190 g of Protective Coat powder with 100 ml of Protective Coat liquid to give a uniform dispersion.
3. Apply the Protective Coat slurry 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.
4. If necessary, repeat the brush application of the Protective Coat slurry until all the pattern and wax areas remain coated.
5. Vigorously shake the refractory model to remove all the excess Protective Coat slurry.
6. 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. Shake Protective Coat liquid well before using.
3. Mix 190 g of Protective Coat powder with 100 ml of Protective Coat liquid to give a uniform dispersion.
4. Carefully apply Protective Coat slurry using a soft brush to all the surfaces of the wax-up, including the sprues, until all areas remain coated.
5. Vigorously shake to remove all the excess Protective Coat slurry.
6. Allow the Protective Coat slurry to dry for a minimum of 15 minutes before proceeding with the investing procedure.



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Investing with Innovation™

PROTECTIVE COAT POWDER & LIQUID

Storage

Keep containers tightly closed when not in use. Store in a cool, dry area between 60-80 °F (16-27 °C).

Safety

Powder

Danger. Contains crystalline silica. Contains trace amounts of naturally occurring uranium, thorium, and radium. May cause cancer inhalation. Causes damage to lungs through prolonged or repeated exposure. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. If feeling unwell, get medical advice/attention. See SDS for more information.

Liquid

Warning. Causes skin irritation. Causes serious eye irritation. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If feeling unwell, get medical advice/attention. See SDS for more information.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user. All potential liability related to the sale and use of this product is limited to the cost of the particular goods sold in their respective transactions.



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