

Z-20

Refractory Spacer

Instructions For Use

Z-20 is a refractory spacer that can be used for a variety of different procedures such as blocking out undercuts, adding relief to the die, and refiring all porcelain restorations that have already been divested. Z-20 is compatible with most refractory investments that are compatible with ceramo-metal porcelains. Our brands include V-Tec, Cervest, and PLV.

1. Make sure that the dies are either fully (1825° F/1000° C) or partially (1200° F/650° C) degassed before applying the spacer.

2. To block out undercuts: mix approximately 4 drops of spacer liquid for each level scoop of spacer powder, mix, then apply the spacer to the dry die with a small instrument or brush.

To add relief to a refractory die, first, soak the die in distilled water and blot with a tissue to remove excess water. Then, mix approximately 5 drops of spacer liquid to each level scoop of spacer powder, and apply to the damp die with a brush.

3. Let spacer dry for 5 minutes at room temperature, then fire at 1825° F/1000° C). *Note: if the spacer is not allowed to dry thoroughly, it will not adhere to the die.*

Using Z-20 For Refiring Divested Restorations

Z-20 can also be used as a “glue” to stick a veneer, crown, or inlay back on a fully degassed refractory model.

1. Pour and degas the die that fits the restoration you are trying to refire.

2. Mix approximately 4 drops of spacer liquid to 1 level scoop of spacer powder. Paint a fairly thick coat on the die and carefully stick the restoration on the die.

3. Allow this to dry for at least 5 minutes on a hot plate or under an infrared lamp before firing. *Note: avoid drying at the open muffle door.*

4. Build and fire porcelain in usual manner.

TROUBLESHOOTING

The most common problem that technicians have with the refractory spacer is that sometimes it will not adhere to the die. This is usually caused by one of the following:

1) The spacer liquid has thickened over time. In this case our "red" liquid can be substituted for the spacer liquid or call us and order a new Z-20 liquid.

2) Too much spacer was painted on the die in one coat. If a thick coat of spacer is required, paint one thin coat at a time and let it dry between coats.

3) The spacer was not completely dry before the die was heated. After painting the spacer, be sure to let it air dry before placing it on the hot plate or under an infra red lamp.



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