

Magic wand

Denseo Fairy eliminates problems with healing check lines in porcelain.

Information provided by XPdent.

Formulated to virtually eliminate check lines in porcelain, the Denseo Fairy repair material saturates the check line in a crown or bridge with fine, microscopic ramifications. During firing procedures in a porcelain furnace, the material fuses the broken molecular structure, chemically bonding the porcelain. The treated restoration exhibits a renewed density and resiliency as well as a reported increase in flexural strength of up to 71%.

The material can be used to heal check lines on all PFM ceramic systems with firing temperatures of 780°C to 980°C (1436°F to 1796°F) based on precious and non-precious alloys or on zirconia veneering porcelains.

Following are steps for repairing a check line on a PFM 3-unit bridge.

01 Examine the restoration. *Note:* The porcelain in this case has a check line in the cervical areas that carries over to the ridge lap area of the pontic (**Figs. A and B**).

02 Slightly roughen the entire surface of the checked area to be healed (**Figs. C and D**).

03 Shake the Denseo Fairy pen well before application.

04 Clean the surface with steam only (no additive). Allow to dry briefly.

05 Apply the micro-fine ceramic liquid in a thin, even layer over the entire checked porcelain, similar to applying a standard glaze (**Fig. E**).

06 Fire the bridgework using the corresponding "healing" cycle of the Denseo Fairy (**Fig. F**).

07 After firing, give the porcelain a high luster using a felt wheel and a diamond polishing paste (**Fig. G**).

08 The Denseo Fairy fuses checked porcelain on a molecular level, giving it a renewed density and an increase in flexural strength (**Figs. H and I**). **lab**



Denseo Fairy

Features

- Virtually eliminates check lines in porcelain
- Saturates check line with microscopic ramifications and fuses broken molecular structure
- Chemically bonds porcelain
- Indicated for all precious and non-precious PFM ceramics with firing temperatures of 780°C-980°C
- Also available for zirconia veneering porcelains

XPdent

www.xpdent.com

12145 SW 131 Avenue
Miami, FL 33186
800-328-3965



Fig. A The porcelain has a check line in the cervical area...



Fig. B ...that carries over the ridge lap area of the pontic.

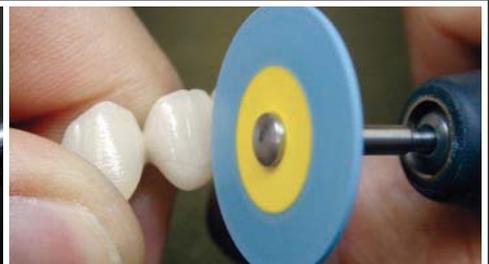


Fig. C Slightly roughen the entire porcelain surface.



Fig. D Also abrade the underside of the pontic.



Fig. E Apply the micro-fine ceramic liquid in a thin, even layer over the entire porcelain area.



Fig. F Fire the restoration based on type of porcelain, using the proper firing table.



Fig. G Polish to a high luster using a felt wheel and a diamond polishing paste.



Fig. H The checked porcelain is healed on a molecular level.



Fig. I The healed bridge exhibits a renewed density and increased flexural strength.