

Shade

Because no two shades are exactly alike, the selection of color, or shade, is an important consideration. Dentists now realize that it's the imperfections that make teeth look natural. That's why they take care in matching the texture, color, and shape of the crown to its neighboring teeth.

Color comes from light. The human eye is capable of seeing over a million different shades of color. The selection of the most harmonious shade calls for both skill and judgement. To match the shade as closely as possible, the dentist takes into consideration factors such as the shade of your adjacent teeth, stains, grooves, enamel thickness, complexion tones, and age.

Because dental porcelain is color-stable, porcelain veneer crowns will not change color with time. Unfortunately, this is not true of acrylics (plastics). Acrylic is not normally used for restorative jackets because it discolors, and lacks the durability of porcelain.

The photograph below shows an acrylic faced crown (A) and a porcelain crown (B). They were placed the same day, nine years before this picture was taken. Notice that the porcelain crown (B) has not discolored.

Acrylic or porcelain. You can see there is quite a difference after nine years of wear.



Summary

The porcelain veneer crown:

- 1) Fits like a thimble, replacing the enamel of the tooth.
- 2) Strengthens weakened tooth structure.
- 3) Restores natural function and beauty.
- 4) Is compatible with tooth structure.
- 5) Restores teeth disfigured by decay, breakage, abrasion, and imperfect development.
- 6) Is color-stable.

PORCELAIN VENEER CROWNS

*Restoring Your Teeth
To Their Normal Form*

Before



Porcelain crowns provide the beauty and strength of your original tooth structure.



After



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The Porcelain Veneer Crown

In constructing a crown, the combination of materials that provide the most satisfying results is porcelain fused to metal (either gold or non-precious). The metal provides strength, and the porcelain, strength and beauty. The resulting product, a porcelain veneer crown, is giving a lot of people something to smile about.

A porcelain veneer crown replaces the enamel of your tooth. First, a metal thimble is custom made to fit over your tooth. A jacket of porcelain is fused, or veneered, to the thimble. The tooth is prepared so that the completed restoration will rest securely in position, once cemented in place.

A molar requires a veneer crown. A metal coping (thimble) is placed on the prepared molar. Then the veneer crown is cemented into place.



Because of its strength and resistance to chewing stress, a porcelain veneer crown is functionally superior. The metal thimble provides strength and durability. The dental porcelain, veneered to the thimble, is extremely hard, highly reflective, and color-stable. Porcelain is

much less porous than enamel, so the veneers are more stain-resistant. Porcelain provides beauty and strength equaling that of your original tooth structure.

The primary goal in dentistry is to restore teeth to their normal form, beauty, and proper function. Dentists use porcelain veneer crowns to restore teeth that have been disfigured by extensive decay, breakage, abrasion (wearing), imperfect development, or discoloration. Sometimes they are even used to correct poor alignment of the teeth.

These are actual case photographs showing the results of using porcelain veneer crowns.

