

Setting the Standard. First in Nano-Technology

Prime&Bond[®]NT

Nano-Technology Dental Adhesive

With over 700 Million applications worldwide and six years of successful clinical experience with Nano-Technology, Prime&Bond NT is the market-leading One-Bottle-Bond¹:

- Rated No. 1 by Reality's Choice 2004 in the dental adhesive category.²
 - Nano-Technology (since 1998), together with the patented PENTA, guarantees deep penetration and reinforcement of hybrid layer.
- It offers:
- Excellent bond strength on dentine and enamel proven by four independent institutes.³
 - Fluoride-release: "Very effective in desensitizing teeth."⁴
 - Antibacterial property: "Prime&Bond NT showed growth inhibition for all bacterial strains."⁵
 - Universal use: for both light cure and dual cure procedures, for direct and indirect restorations.

NEW!

pre-sealed,
easy-squeeze bottle.



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¹ Prime&Bond NT is the market leading One-bottle-Bond in UK and US (SDM data), Spain

² Reality's choices 2004, The Ratings, p. 241

³ WW Barkmeier, University of Creighton, USA; B Haller, University of Ulm, Germany; C Driessen, University of Pretoria, South Africa; M Ferrari, University of Siena, Italy

⁴ Reality's Choices 2004, The Ratings, Vol 18, p. 266

⁵ "Antibacterial activity of fifth-generation dentin bonding system" Atac AS, Cehreli ZC, Sener B. J Endod. 2001 Dec; 27(12): 730-3 Tested strains: Streptococcus mutans ATCC 25175, Streptococcus intermedius, Lactobacillus acidophilus, Prevotella oris, Prevotella bivia, Prevotella denticola, Porphyromonas gingivalis, Porphyromonas endodontalis, and Clostridium ramosum

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Prime&Bond[®]NT

The 10 best ways to use Prime&Bond NT

Prime&Bond NT is available in both bottle and quix[™] unidose. Each Prime&Bond NT bottle contains at least 200 drops, indicated for both direct and indirect restorations.

For all types of restorations:

1. To obtain an optimum of marginal quality and bond strength and to avoid post-operative sensitivity, **do not overetch dentine (etch dentine 15 seconds or less)**.
2. Apply Prime&Bond NT to a moist cavity surface as overdrying of the tooth preparation has been associated with a decrease of bond strength to dentine and with post-operative sensitivity. Dry by very short (1 to 3 seconds) blasts from an air syringe or solely blot-dry with a cotton pellet.
3. For an optimum of solvent concentration, efficiency of the procedure, and economy, **apply adhesive directly from the bottle onto an applicator tip**.
4. To achieve a complete sealing of the cavity surface, **apply ample amounts** of Prime&Bond NT. All cavity surfaces should be saturated, which may necessitate consecutive applications of a drop of Prime&Bond NT to thoroughly wet all cavity surfaces.
5. To obtain an optimum layering thickness, wait **for 20 seconds** after application of Prime&Bond NT and remove remaining solvent by gentle blow of air from a dental air syringe. Ease of solvent removal is one of the great advantages of acetone-based adhesives.

For indirect restorations:

6. Light-curing of Prime&Bond NT or of the mix of Prime&Bond NT and Self-Cure Activator applied to the prepared tooth will increase bond strength.
7. If gross pooling of the adhesive is avoided, light-curing of the adhesive will not result in a high restoration **thanks to the low film thickness** of Prime&Bond NT.
8. For most indirect procedures, where light-cured or dual-cured luting cements are used, Prime&Bond NT can be used on its own (without the need to mix with Self-Cure Activator).
9. In the case of metallic restorations, light-cure the adhesive applied to the restoration prior to luting.

For use with self-cure restorative materials:

10. When using Prime&Bond NT in combination with a self-cured material (Adaptic[®]), always mix Prime&Bond NT with Self-Cure Activator and light-cure adhesive prior to application of the restorative.