Acid challenge to tubule occlusion¹

In an in vitro study, NUPRO® extra care prophylaxis paste showed1:

- Near-complete tubule occlusion after 1 minute in teeth treated with NUPRO® extra care prophylaxis paste
- Sustained tubule occlusion after 5 minutes in teeth treated with NUPRO® extra care and an acidic substance (orange juice or Cola)
- Other products showed no tubule occlusion in 5 minutes at any stage of the demonstration—control or acid trials

TUBULE OCCLUSION^{1,*}



After polishing & rinse

After 5 minute acid challenge



After polishing & rinse

After 5 minute acid challenge



After polishing & rinse

After 5 minute acid challenge

Toothpaste with TCP (Clinpro™ 5000 Toothpaste)			
Open Tubules	Treated Tubules	Orange Juice	Cola
After polishing & rinse		After 5 minute acid challenge	

After 5 minute acid challenge



After polishing & rinse

After 5 minute acid challenge

Average pH values: orange juice, 3.85; Cola, 2.48.

"Other products studied included Colgate® Sensitive Pro-Relief™ with Pro-Argin™ Technology, Enamel Pro® Prophylaxis Paste, Clinpro[™] 5000 1.1% Sodium Fluoride Anti-Cavity Toothpaste, and MI[™] Paste Plus.