Reliable2

High Wear Resistance & Less wear to opposing teeth

PALFIQUE BULK FLOW	
ESTELITE FLOW QUICK	
Tetric EvoCeram Bulk Fill*	
SonicFill2*	
Filtek Bulk Fill Posterior*	

CR Volume loss / mm³ (0.02, 0.01, 0) — Antagonistic teeth abrasion depth / μm (0, 2, 4, 6, 8, 10, 12, 14, 16, 18)

Wear resistance carried out for 50,000 cycles under 0.66MPa load.
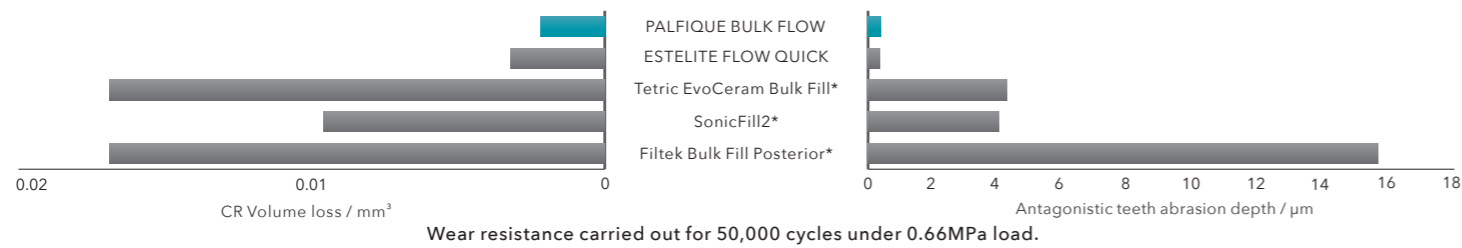
Compressive Strength (MPa)

Posterior restorations are required strong property and wear resistant. PALFIQUE BULK FLOW is formulated to let patients bite with confidence, offering the highest compressive strength for stronger posterior restorations.

PALFIQUE BULK FLOW	
ESTELITE FLOW QUICK	
SureFil SDR flow+*	
Tetric EvoCeram Bulk Fill*	
SonicFill2*	
Filtek Bulk Fill Posterior*	

(0, 100, 200, 300, 400)
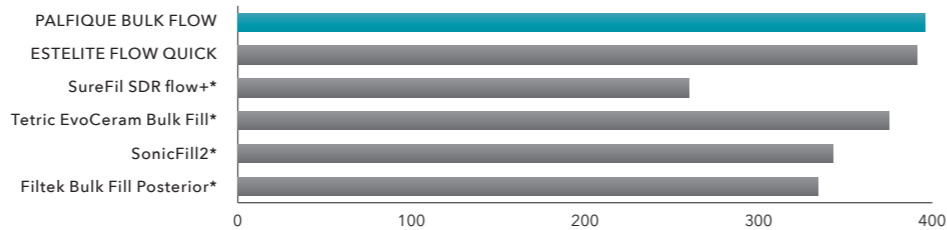
Wide shade matching chart

	W	B1	A1	B2	D2	A2	C1	C2	D4	A3	D3	B3	B3.5	B4	C3	A4
U									—		—					—
B1															—	—
A1											—	—	—	—	—	—
A2							—									
A3	—															

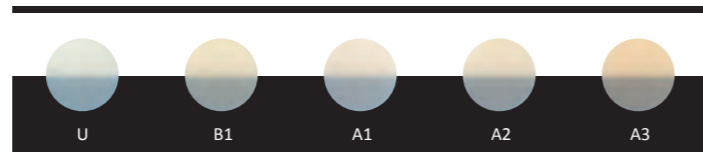● Excellent Match ● Very good ● Good ● Fair

*Not a registered trademark of Tokuyama Dental   Source: Tokuyama Dental R&D

Product Packages Available

PALFIQUE BULK FLOW Syringe Refills

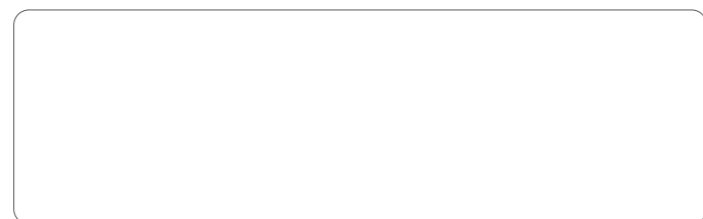Contents: 1 syringe (3.0g)
Available in 5 shades: A1, A2, A3, B1, U

U	B1	A1	A2	A3

Accessory

TOKUYAMA Dispensing Tip

Contents: Dispensing Tip x 50

Simplified and Advanced Esthetic Bulk Composite.

- *Simple*
- *High Esthetics*
- *Reliable*

PALFIQUE BULK FLOW
1.8mL (3.0g)
(Store at 0-25°C)
Tokuyama Dental Corp., Japan (Mfr.)

Tokuyama Dental

Key Technology

Spherical and Round shape filler
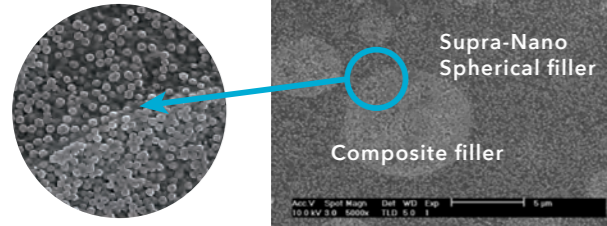
Supra-Nano Spherical filler	Round composite filler
● Good polishability	● Stress relief
● Superior long-lasting gloss	● Prepolymerized by Supra-Nano Spherical filler and monomer

The spherical fillers of the Supra-Nano particles and the round shape of the composite fillers used in PALFIQUE BULK FLOW provide an uniform diffusion of light, allowing for a more forgiving shade match and superb blend to surrounding teeth. In addition, the spherical and round fillers provide low composite wear over time and safe for opposing dentition while causing less wear on opposing teeth.

RAP Technology

The catalyst technology adopted for PALFIQUE Bulk FLOW is the **R**adical **A**mplified **P**hoto polymerization initiator **(RAP technology)**. As a major feature, the initiator balances the high polymerization activity needed to cure the resin with short exposure times (1/3 of that required by conventional products) and stability in ambient lighting.

Simple

PALFIQUE BULK FLOW is different from the traditional 2mm incremental technique and commercial bulk fill flowable composites requiring a universal cap. With PALFIQUE BULK FLOW, ONLY one layer up to 4mm is required to complete a restoration. A quick curing time and easy polishing also make the procedure shorter and simpler without sacrificing esthetics.

Simple Filling
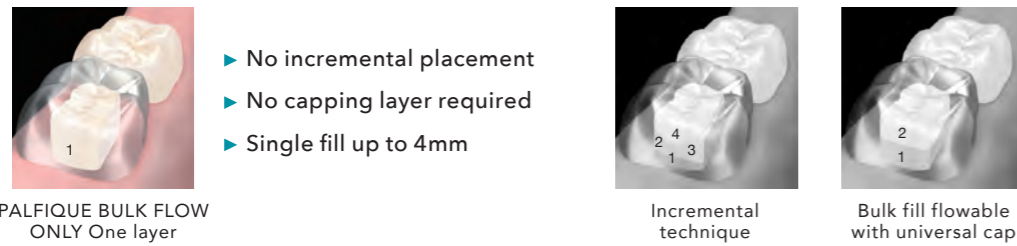
► No incremental placement
► No capping layer required
► Single fill up to 4mm

PALFIQUE BULK FLOW ONLY One layer

Incremental technique
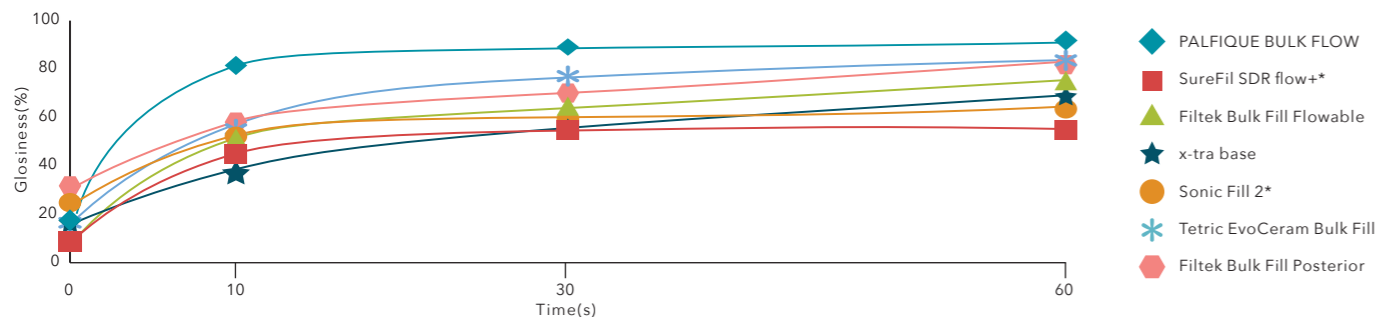
Bulk fill flowable with universal cap

Quick Curing 10s
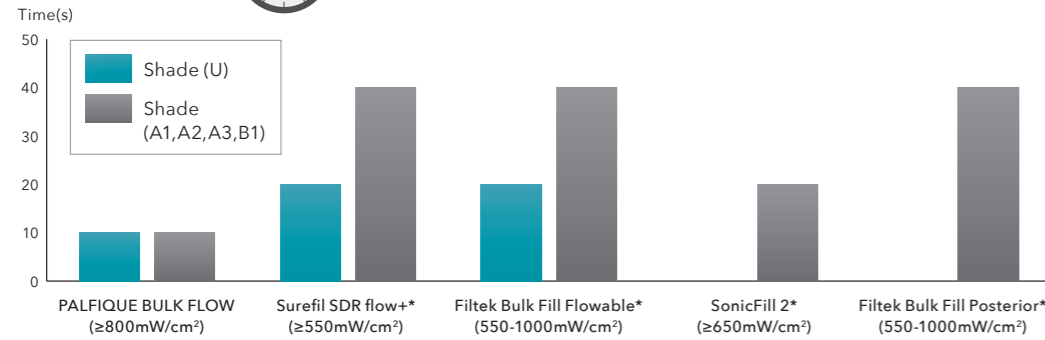
PALFIQUE BULK FLOW offers the clinician a reduced curing time without decreasing the working time by utilizing Tokuyama's innovative initiator system "Radical Amplified Photopolymerization (RAP) Technology".

Easy Polishing 10s

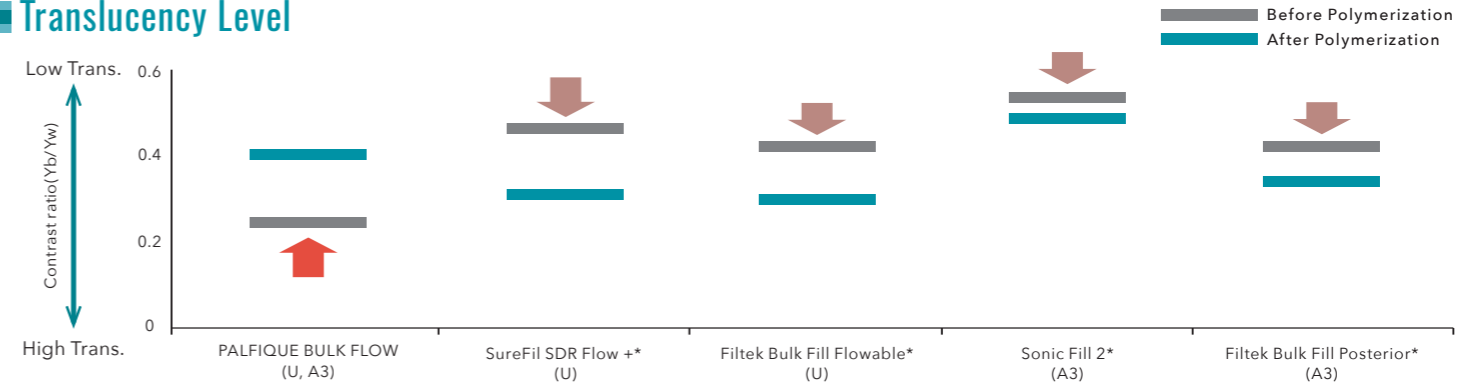The glossiness of PALFIQUE BULK FLOW exceeds 80% in 10 seconds.

- ◆ PALFIQUE BULK FLOW
- ■ SureFil SDR flow+*
- ▲ Filtek Bulk Fill Flowable
- ★ x-tra base
- ● Sonic Fill 2*
- ✳ Tetric EvoCeram Bulk Fill
- ⬡ Filtek Bulk Fill Posterior

Glossiness measured by polishing in 60 seconds with Sof-lex super fine.

High Esthetics

Class I cavity

PALFIQUE BULK FLOW (U)

SureFil SDR flow* (U)

SonicFill* (B1)

Filtek Bulk Fill Posterior*(B1)

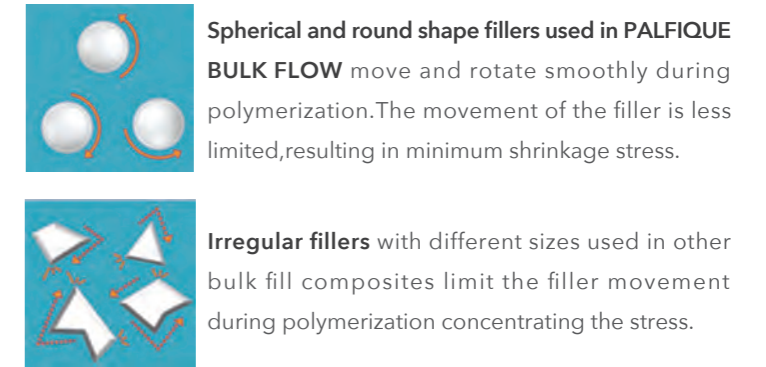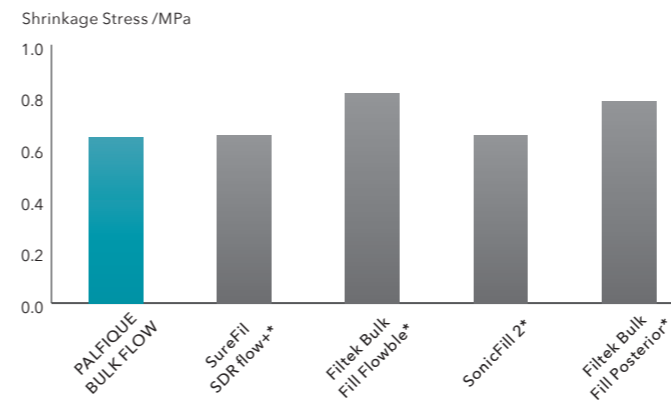PALFIQUE BULK FLOW shows the highest translucency,which helps light reach the bottom of the restoration and ensure proper curing.PALFIQUE BULK FLOW becomes more opaque than other bulk fill composites when cured, helping the restoration look more natural.

Translucency Level

Before Polymerization
After Polymerization

Reliable 1

Low Shrinkage Stress

Spherical and round shape fillers used in PALFIQUE **BULK FLOW** move and rotate smoothly during polymerization.The movement of the filler is less limited,resulting in minimum shrinkage stress.

Irregular fillers with different sizes used in other bulk fill composites limit the filler movement during polymerization concentrating the stress.

Good Cavity Adaptation

PALFIQUE BULK FLOW

Enamel ①
4mm
Dentin ②
③

PALFIQUE BULK FLOW adapts to the size and shape of any cavity, and because of its low shrinkage and flowablity, porosities or voids are eliminated.