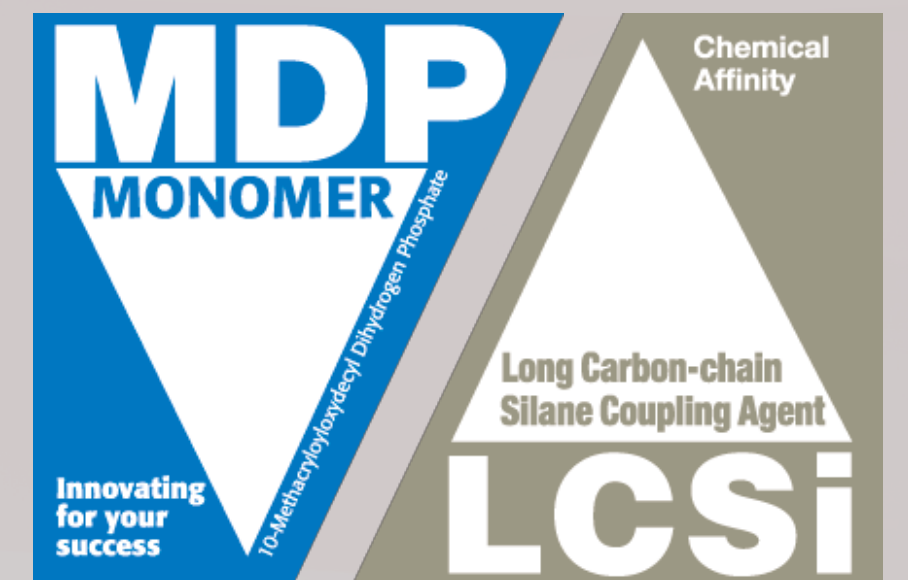




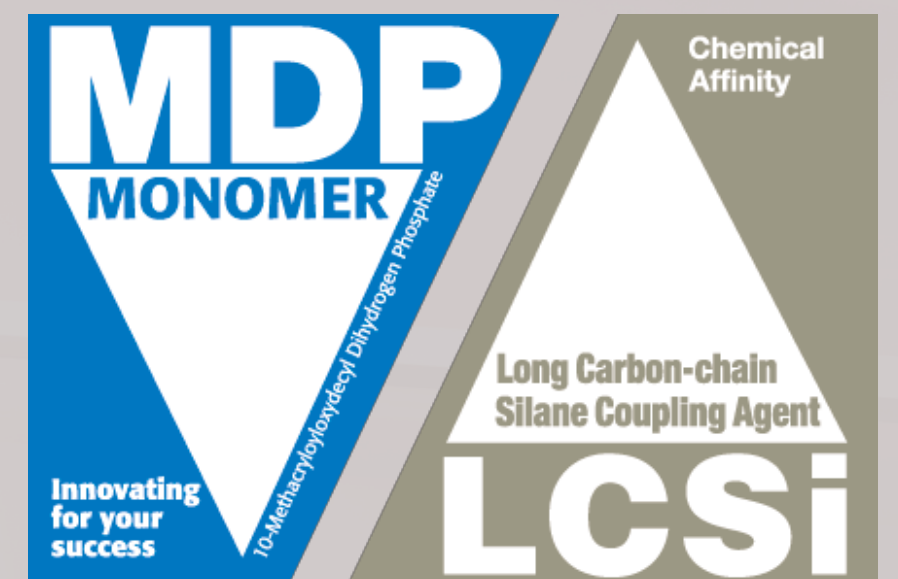
PANAVIA™ SA CEMENT UNIVERSAL

EASY
CLEAN
VERSATILE



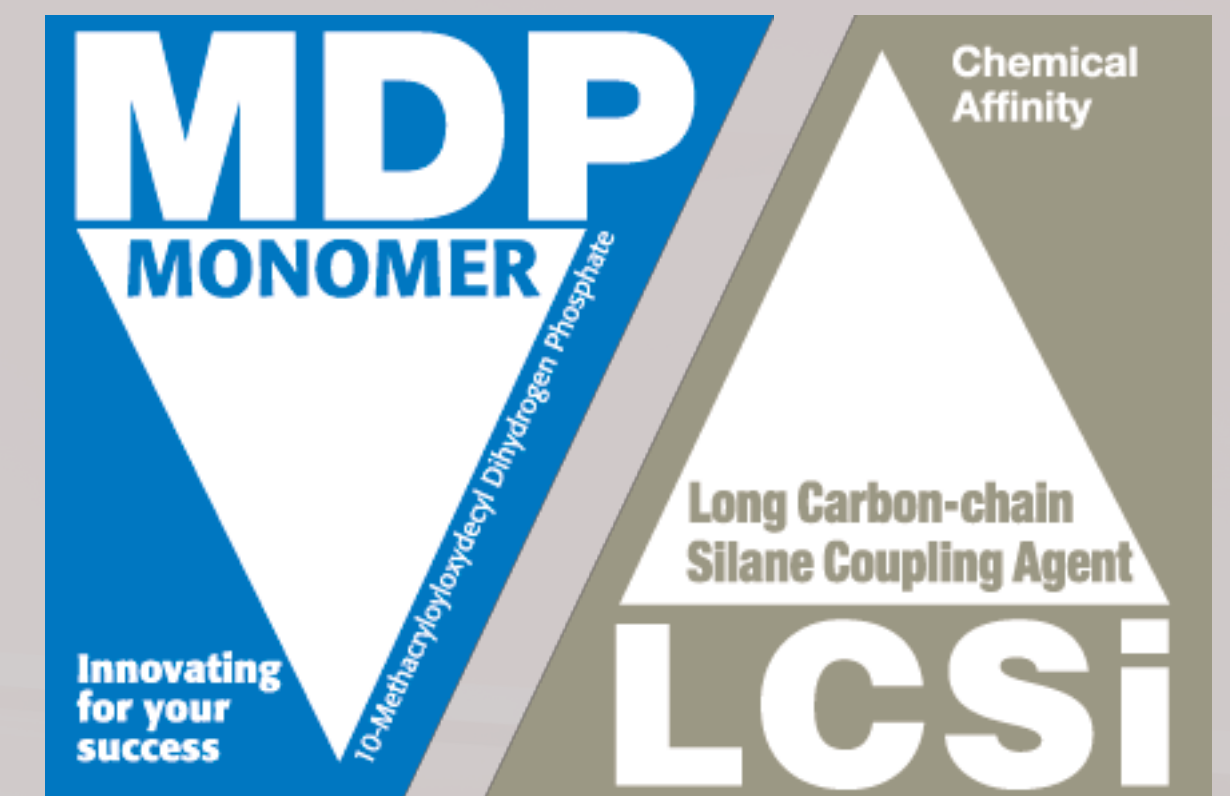


FORGET ABOUT
PRIMERS



Both the unique LCSi-monomer (silane) and the original MDP-monomer achieve strong bonds to virtually all prosthetic materials and tooth tissue.

NO SEPARATE
PRIMERS
NEEDED!

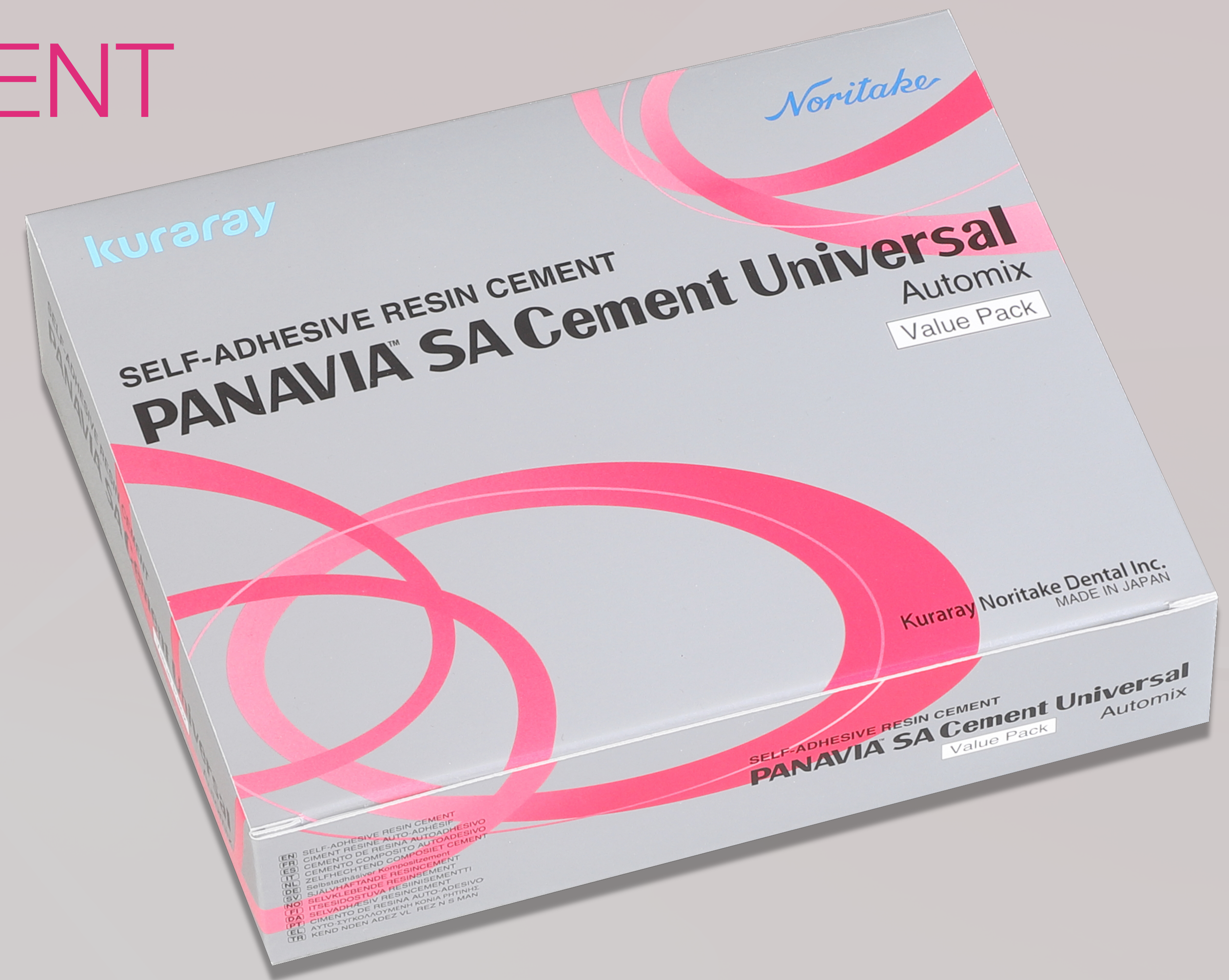


BREAKTHROUGH

From the innovators in adhesion and silane technology.

PANAVIA™ SA CEMENT UNIVERSAL

SELF-ADHESIVE
ONE OF A KIND
SILANE INCLUDING
RESIN CEMENT



Cementations of:

- ✓ CROWNS
- ✓ BRIDGES
- ✓ INLAY'S
- ✓ ONLAY'S
- ✓ ADHESION BRIDGES
- ✓ SPLINTS
- ✓ POSTS
- ✓ PROSTHETICS ON ABUTMENTS

INDICATIONS

- ✓ Adheres to virtually all surfaces, including LiDiSi
- ✓ One single procedure
- ✓ Easy, gum-friendly removal of excess cement
- ✓ No need for separate primers

PANAVIA™ SA Cement Universal



- ✓ Adheres to virtually all surfaces, including LiDiSi
- ✓ One single procedure
- ✓ Easy, gum-friendly removal of excess cement
- ✓ No need for separate primers

PANAVIA™ SA Cement Universal



MDP

MONOMER

10-Methacryloyloxydecyl Dihydrogen Phosphate

**Innovating
for your
success**

Strong
chemical
bond to tooth
tissue, zirconia
ceramics and metals.

MDP

Strong chemical bond
to porcelain, lithium
disilicate and
composite.

**Chemical
Affinity**

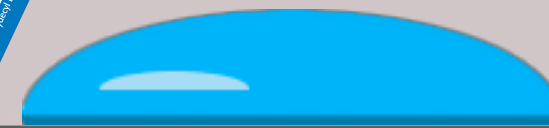
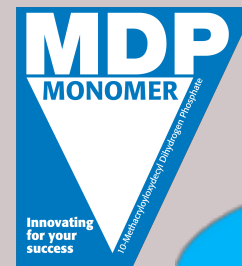
**Long Carbon-chain
Silane Coupling Agent**

LCSi

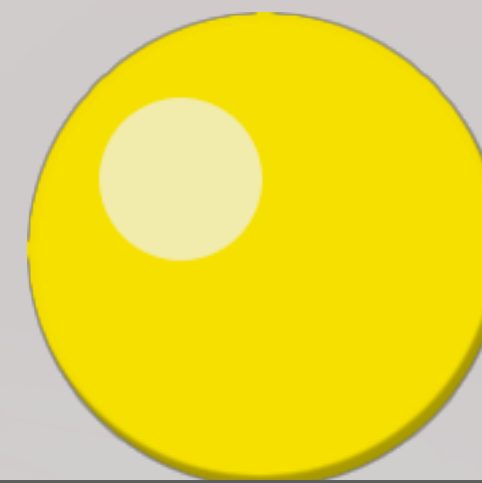
LCSi

Keeping the
product stable

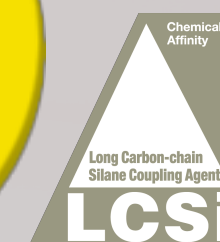
Separate the hydrophilic
parts from the
hydrophobic parts.



Hydrophilic paste

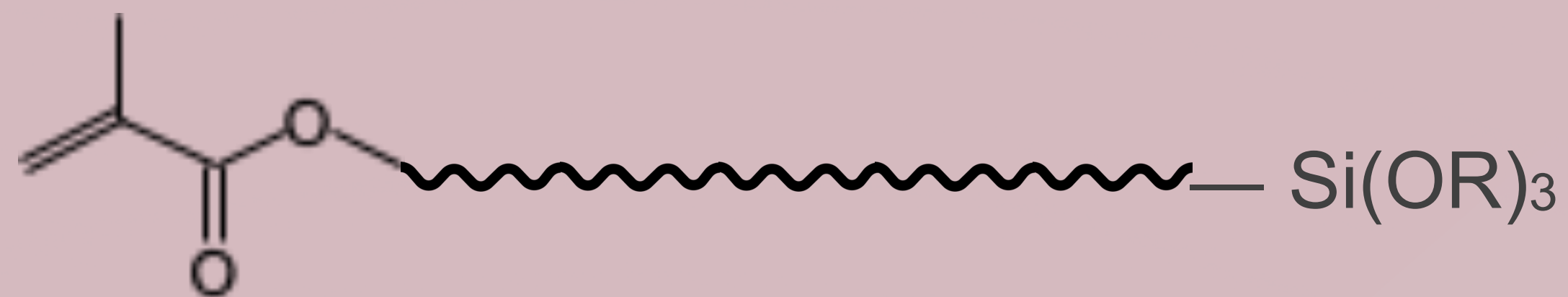


Hydrophobic paste

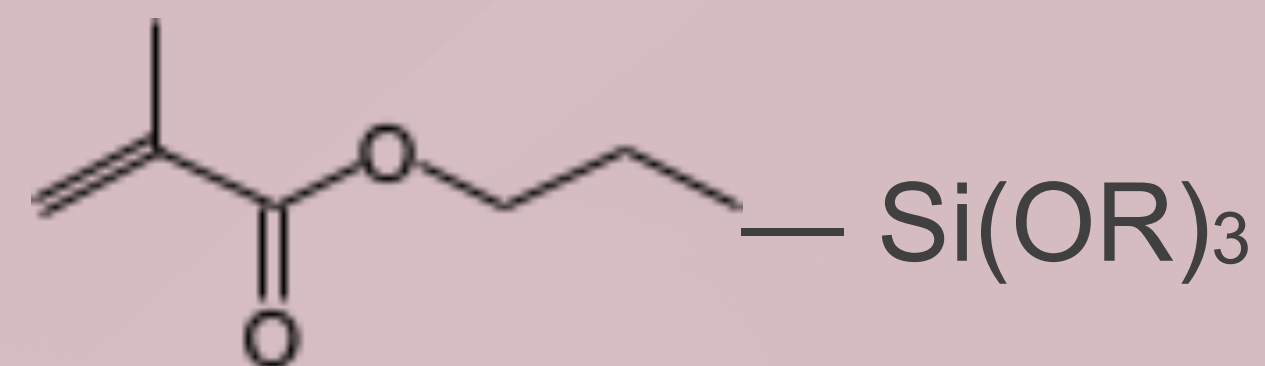
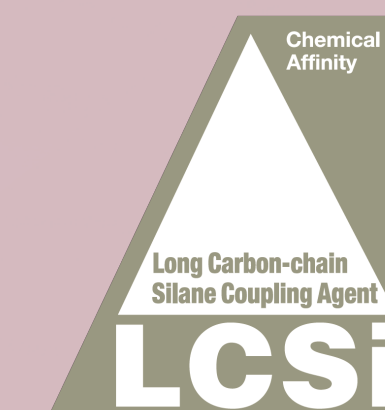


Making it Possible

The LCSi coupler is much more stable than the traditional silane.



Long Carbon Chain Silane



Conventional Silane (γMPS)

Making it Possible

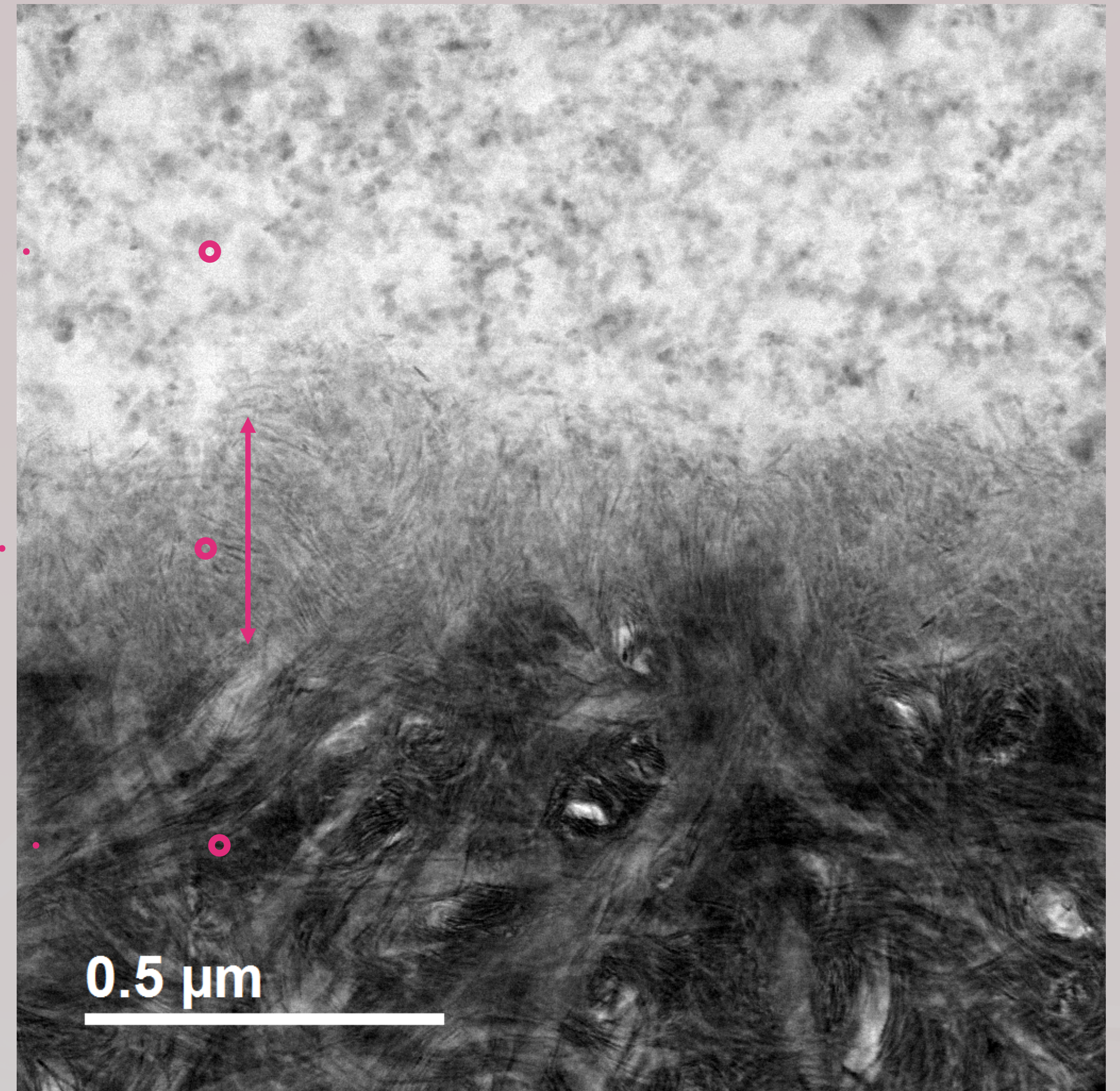
PANAVIA™
SA Cement Universal

Hybrid Layer
(Interaction Zone)

PANAVIA™ SA Cement
Universal
is forming a hybrid layer,
ensuring optimal bonding to the
tooth.

Dentin

Hybrid Layer Formation



- ✓ Adheres to virtually all surfaces, including LiDiSi
- ✓ One single procedure
- ✓ Easy, gum-friendly removal of excess cement
- ✓ No need for separate primers

PANAVIA™ SA Cement Universal





APPLY



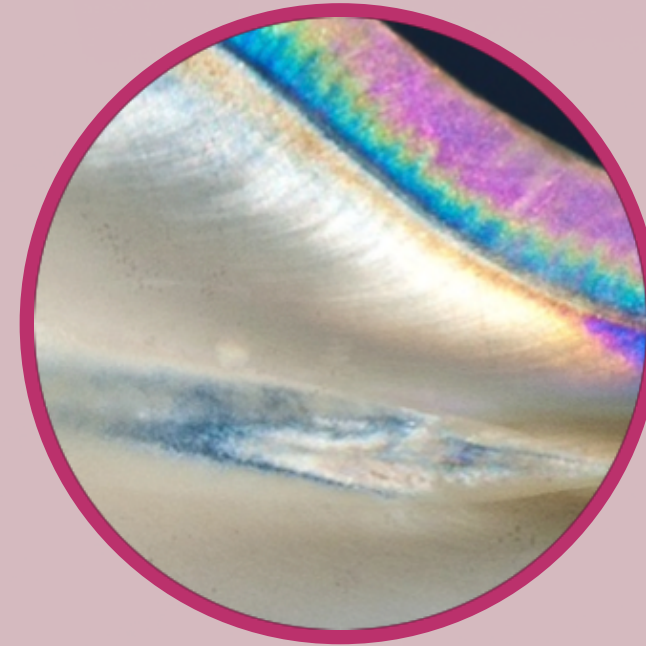
REMOVE



READY

One Single Procedure

PAST



Tooth



Zirconia



Glass
Ceramic



Composite

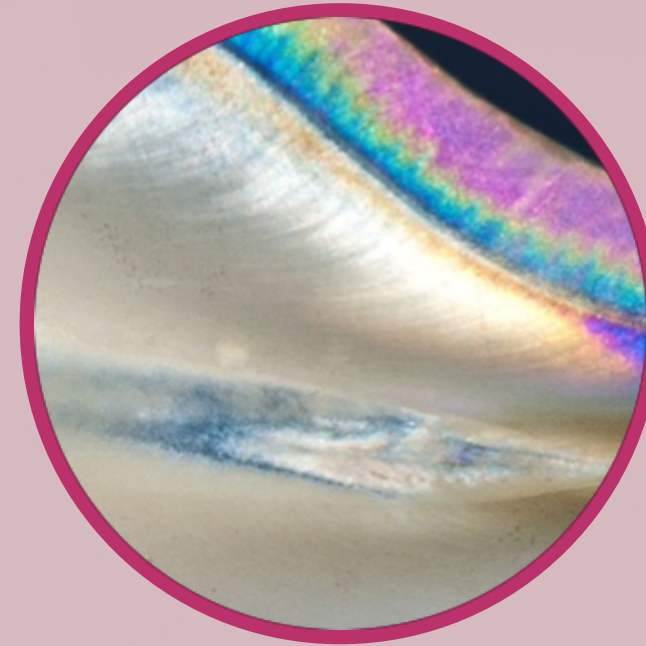


Metal



Material Specific Procedure

PRESENT



Tooth



Zirconia



Glass
Ceramic



Composite



Metal



One Single Procedure

- ✓ Adheres to virtually all surfaces, including LiDiSi
- ✓ One single procedure
- ✓ Easy, gum-friendly removal of excess cement
- ✓ No need for separate primers

PANAVIA™ SA Cement Universal



Effortless excess removal



Tack-Cure

2 - 5 seconds



Self-Cure

2 - 4 minutes

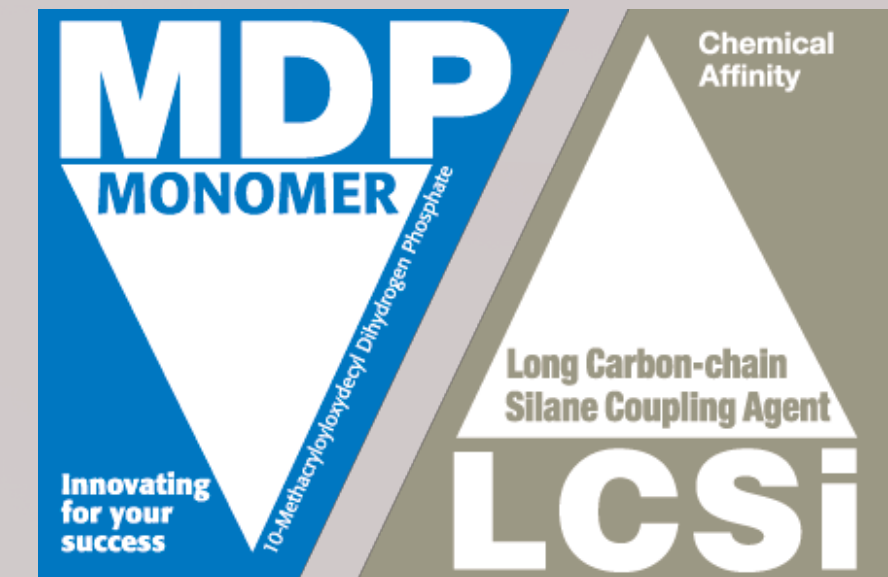


Curing Options

- ✓ Adheres to virtually all surfaces, including LiDiSi
- ✓ One single procedure
- ✓ Easy, gum-friendly removal of excess cement
- ✓ No need for separate primers

PANAVIA™ SA Cement Universal

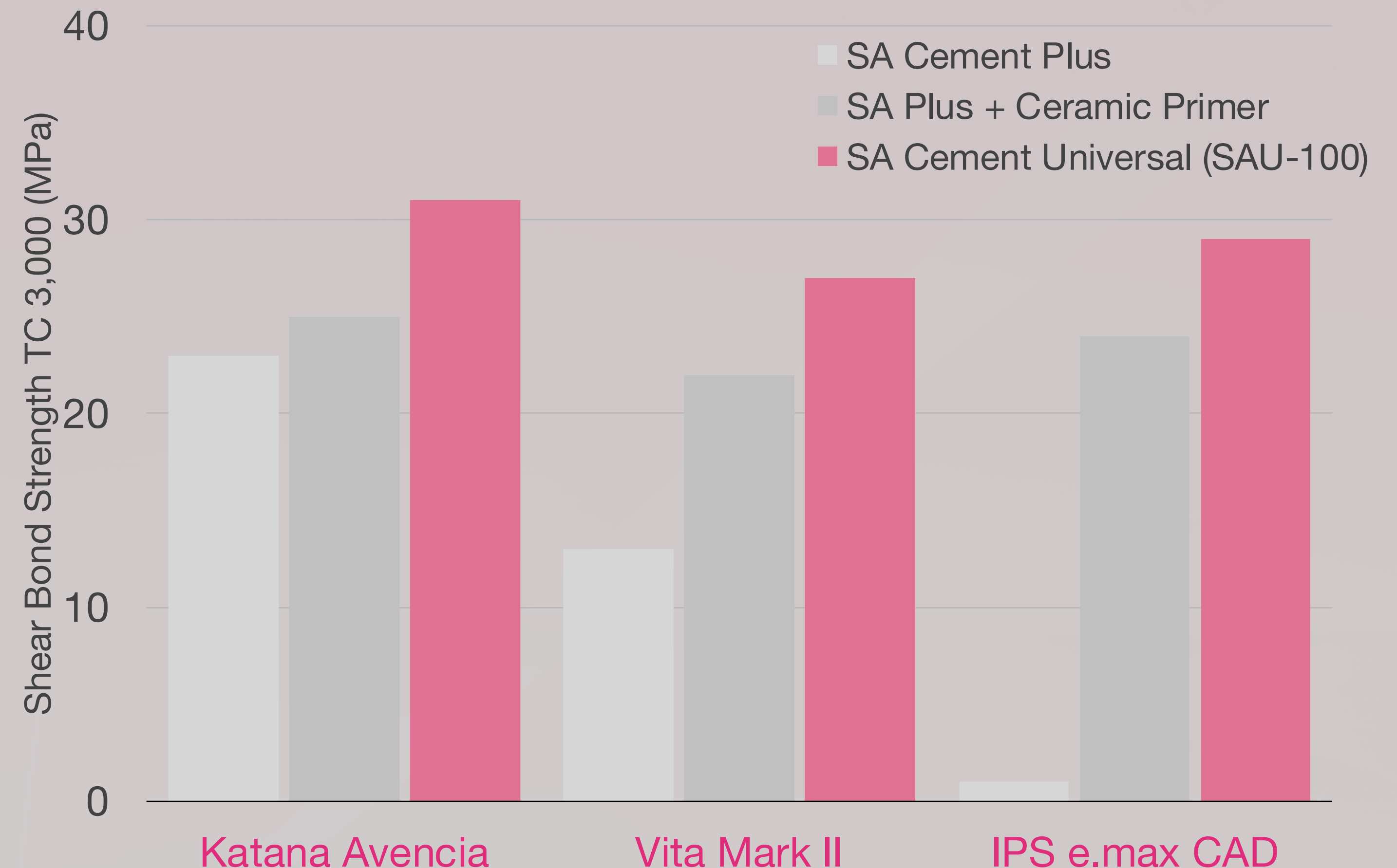




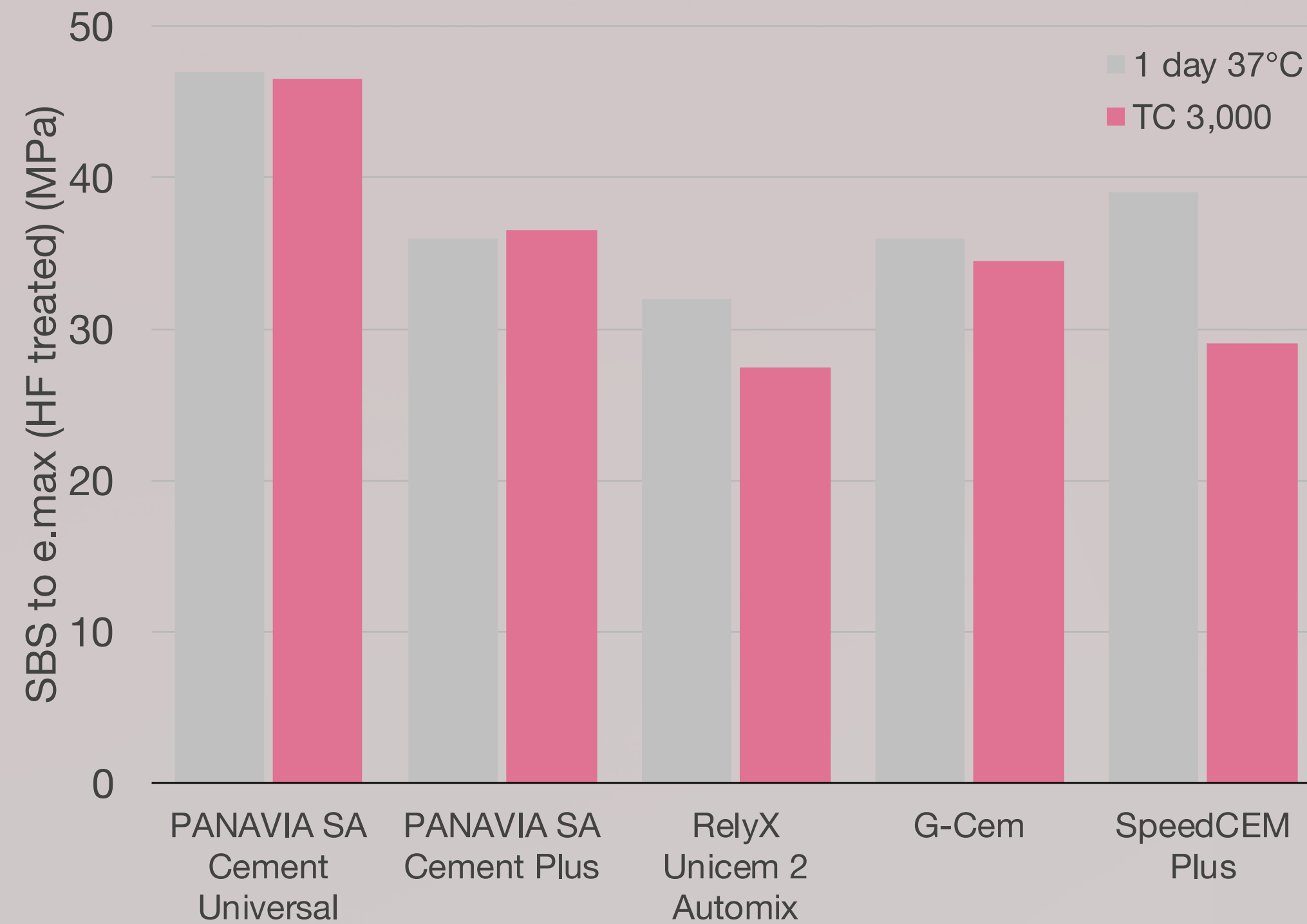
DATA

Performance of a new self-adhesive cement.

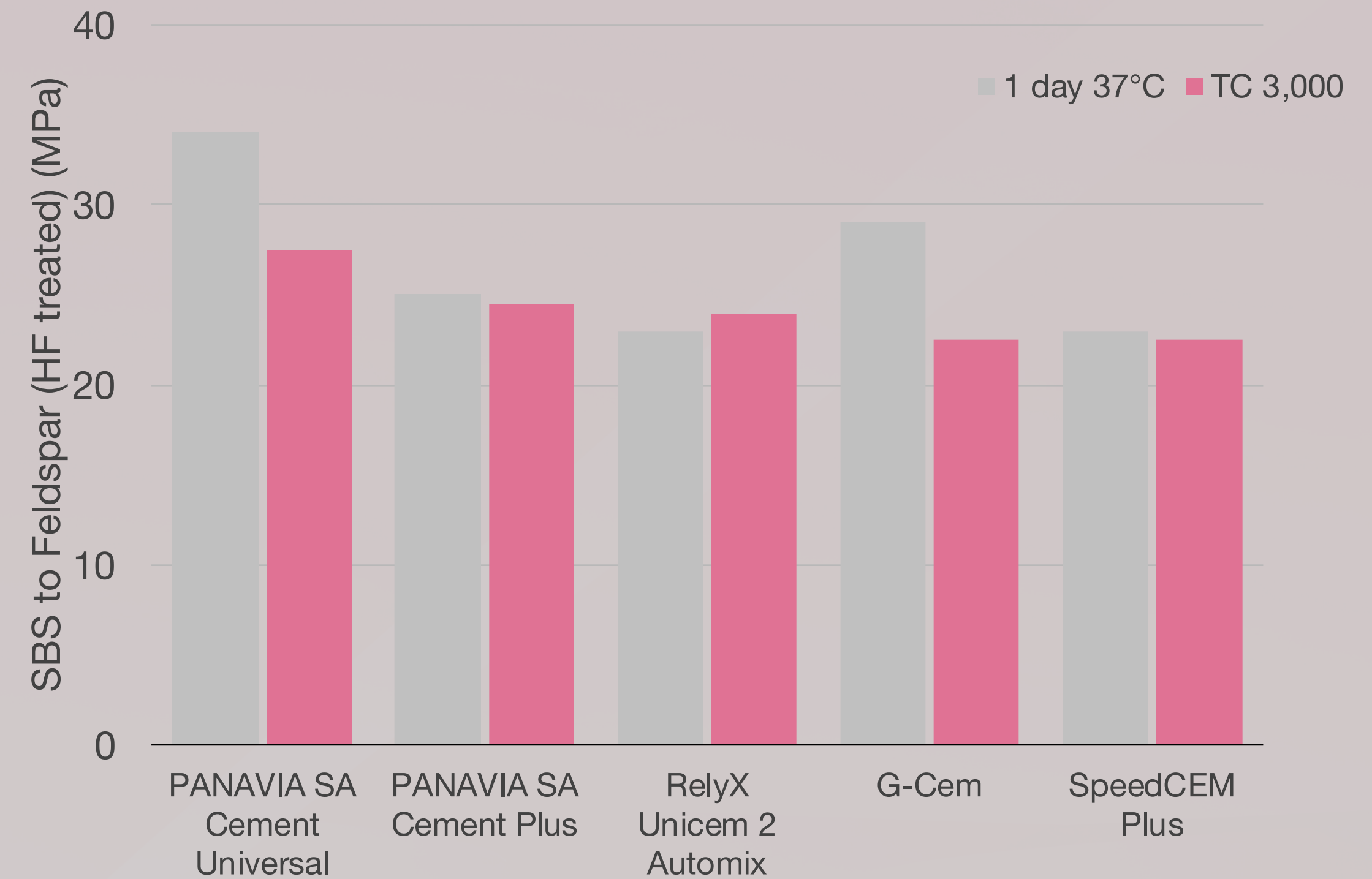
"SAU-100" showed adhesion strength comparable to that of the current system even without pretreatment, on glass ceramics and resin blocks.



Performance



IPS e.max



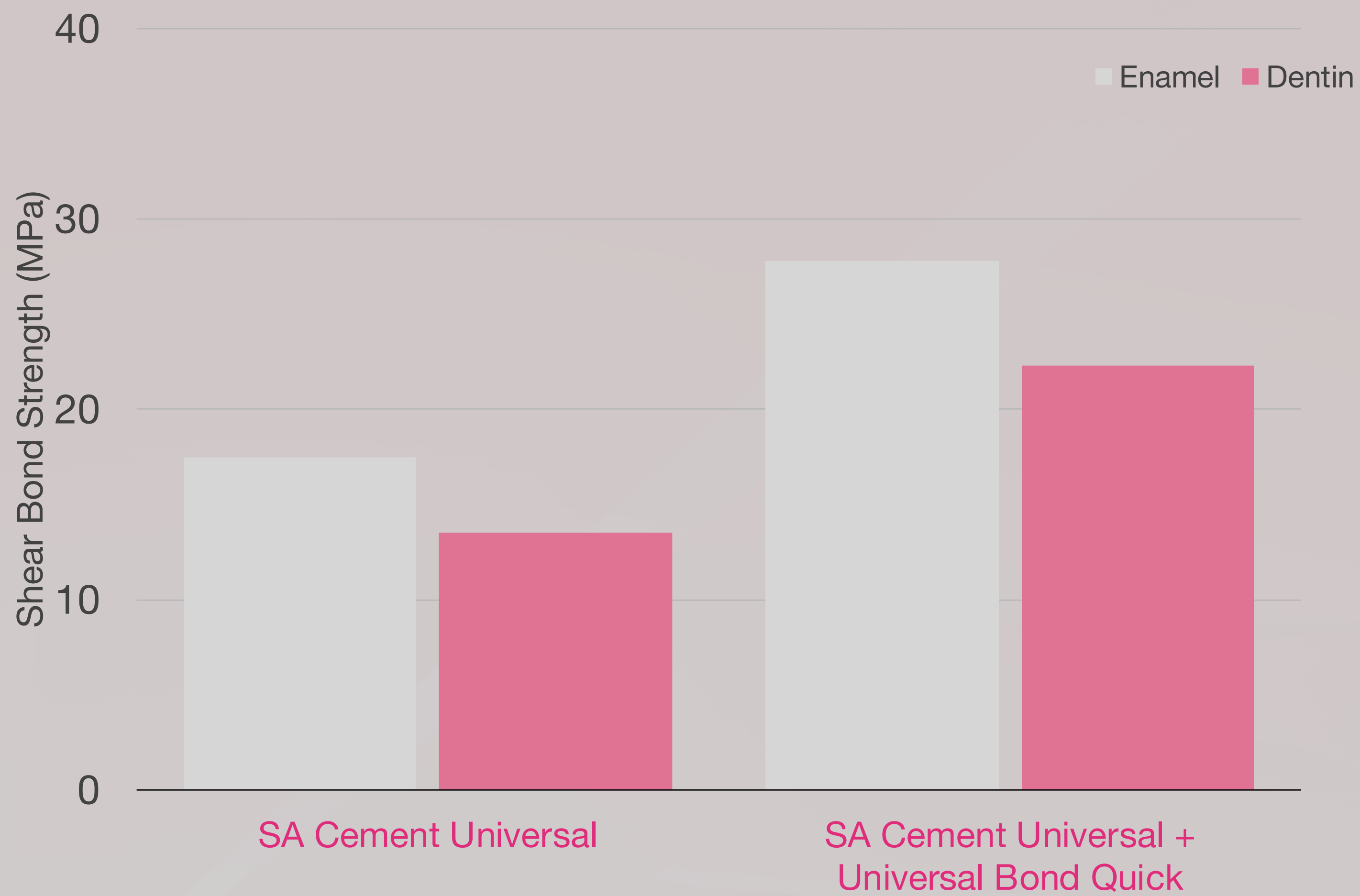
Feldspar

PANA VIA™ SA Cement Universal showed excellent bond strengths compared to current systems, even without silane treatment of glass ceramics.

Glass Ceramics



In case of preparations with lower retention Clearfil™ Universal Bond Quick can be used to enhance bond strength to tooth tissue.

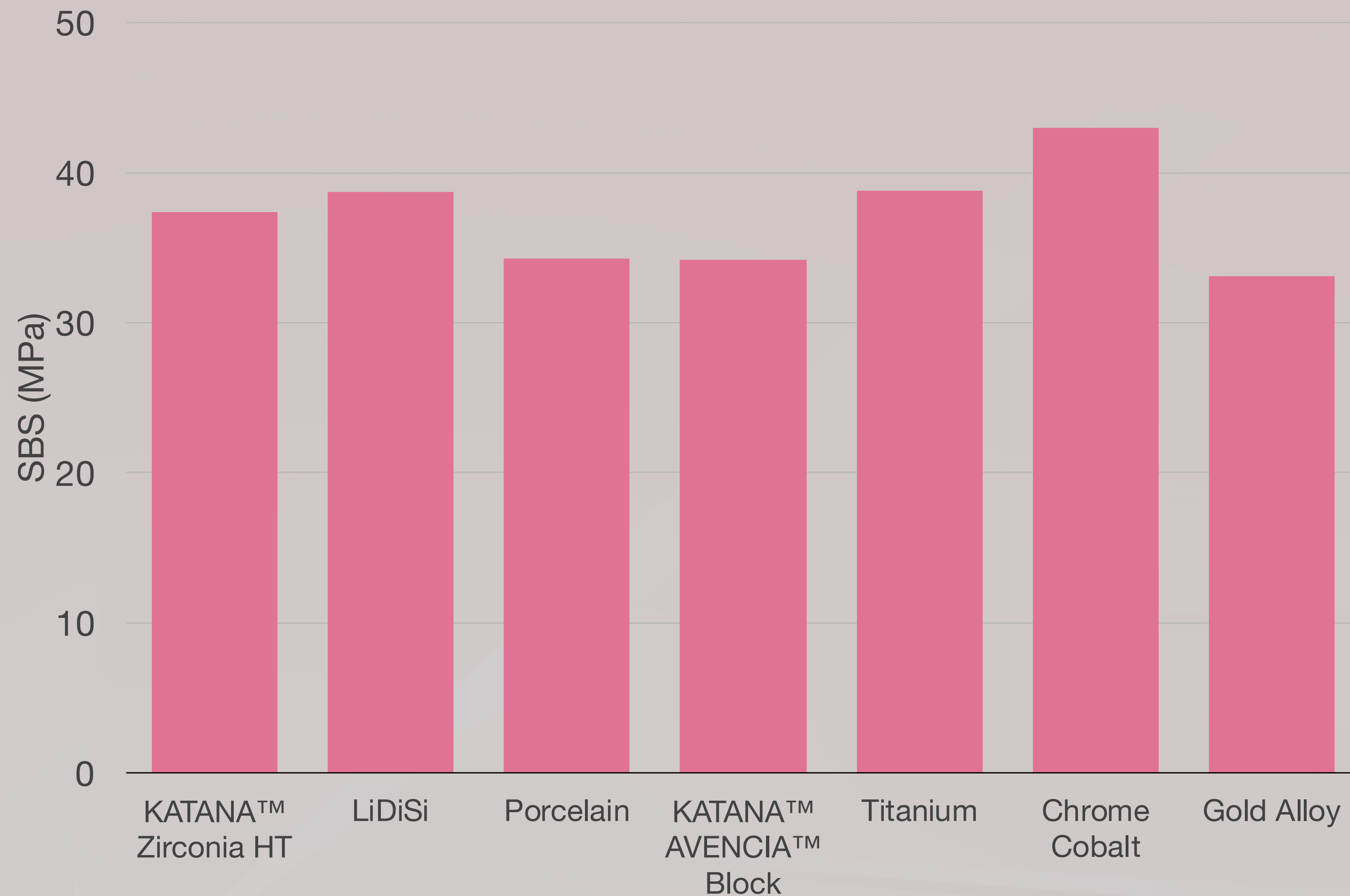


Enhancing Bond Strength

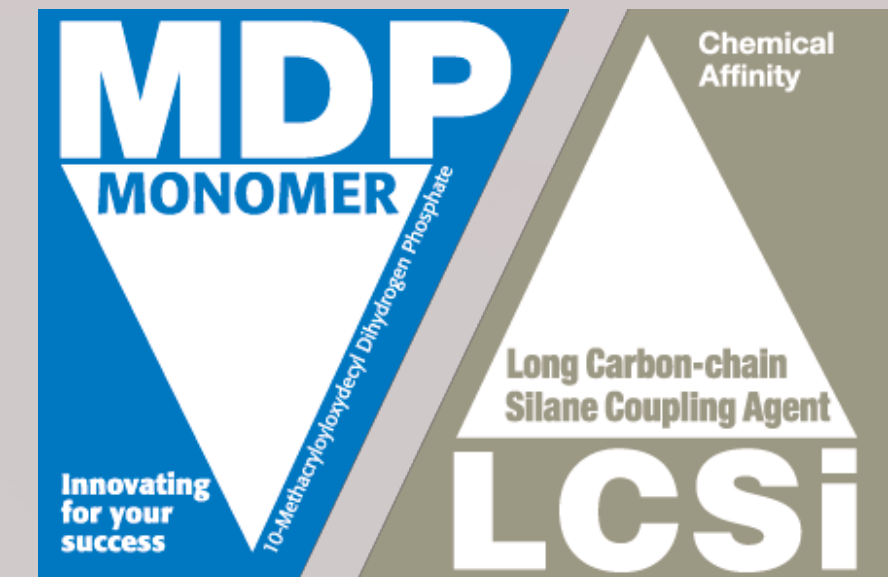
NO PRIMER
NEEDED

PANAVIA™ SA Cement
Universal

bonds extremely well to virtually
all prosthetic materials.

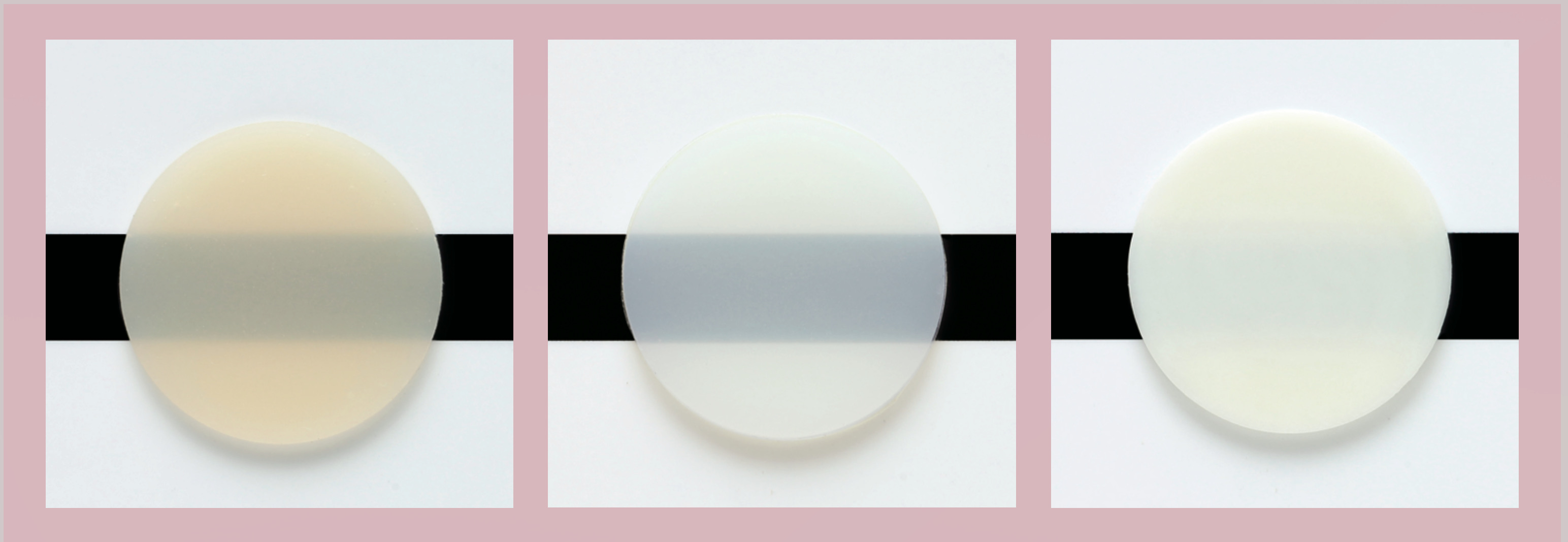


High Bond Strengths



VARIOUS

SHADES



Universal (A2)

Translucent

White

Fluoride-ion releasing: Surface treated NaF
Storage at room temperature: 2-25°C/36-77°F

Radiopacity: 170% Al

Film-Thickness: $\approx 14 \mu\text{m}$

Filler load: 62 wt% (40 vol%)

Compressive strength: 300 MPa

Flexural strength: 91 MPa

Flexural modulus: 4.6 GPa

Water sorption: $27 \mu\text{g}/\text{mm}^3$

Shades & Specs.

Single Pack Automix

Universal (A2)

White

Translucent

1 syringe per shade (8.2 g / 4.6 ml),
20 mixing tips

Value Pack Automix

Universal (A2)

Translucent

3 syringes per shade (8.2 g / 4.6 ml),
40 mixing tips, 10 endo tips



Packaging

- ✓ Adheres to virtually all surfaces, including LiDiSi
- ✓ One single procedure
- ✓ Easy, gum-friendly removal of excess cement
- ✓ No need for separate primers

PANAVIA™ SA Cement Universal





Thank You.