

# Hybrid Ceramics Block for CAD/CAM Use

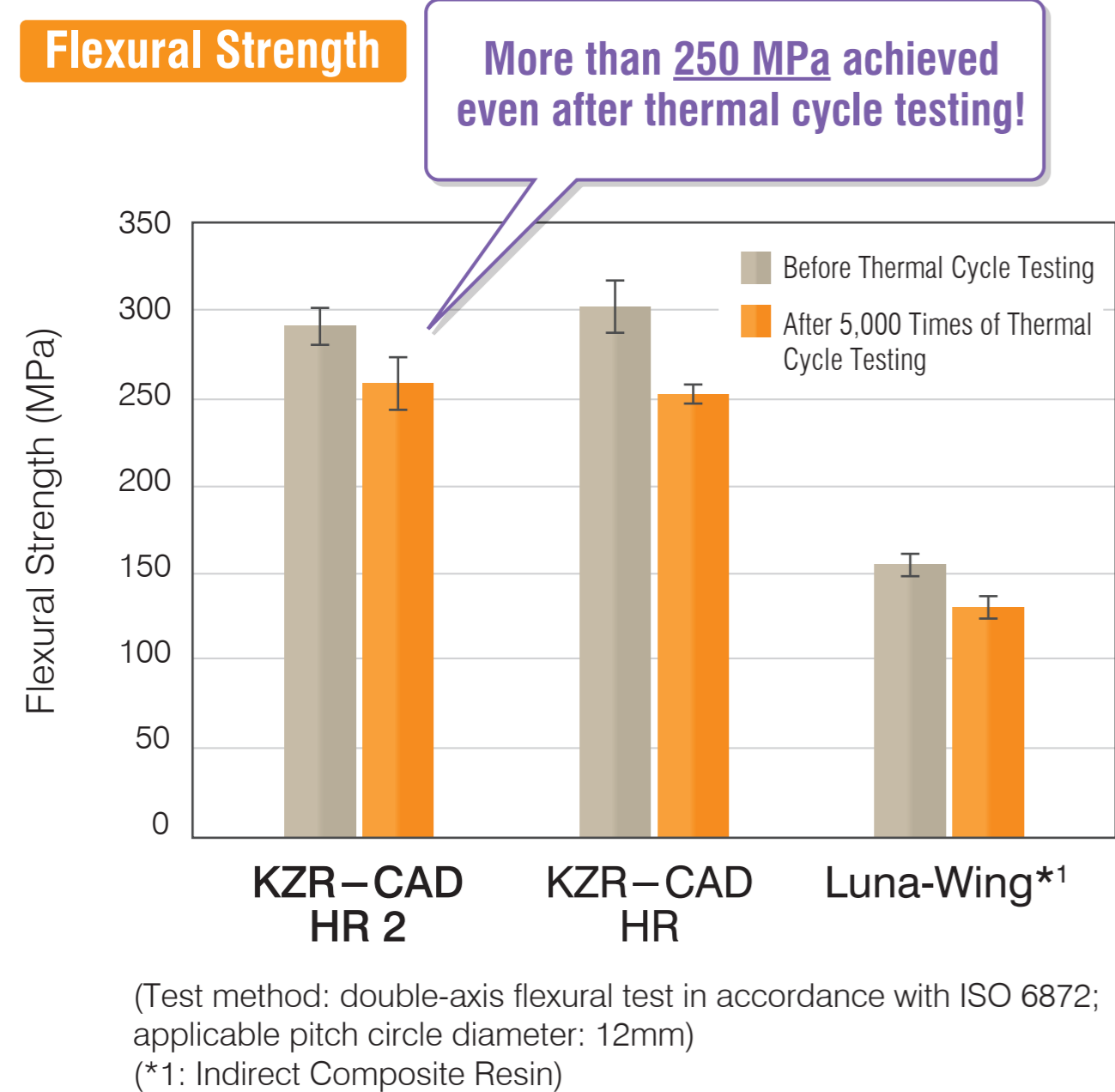
# KZR-CAD HR 2

*Yamakin's new Block has been improved even more!  
A Blend of Outstanding Physical Properties and High-Speed Polishing*



Shades: A2, A3, A3.5

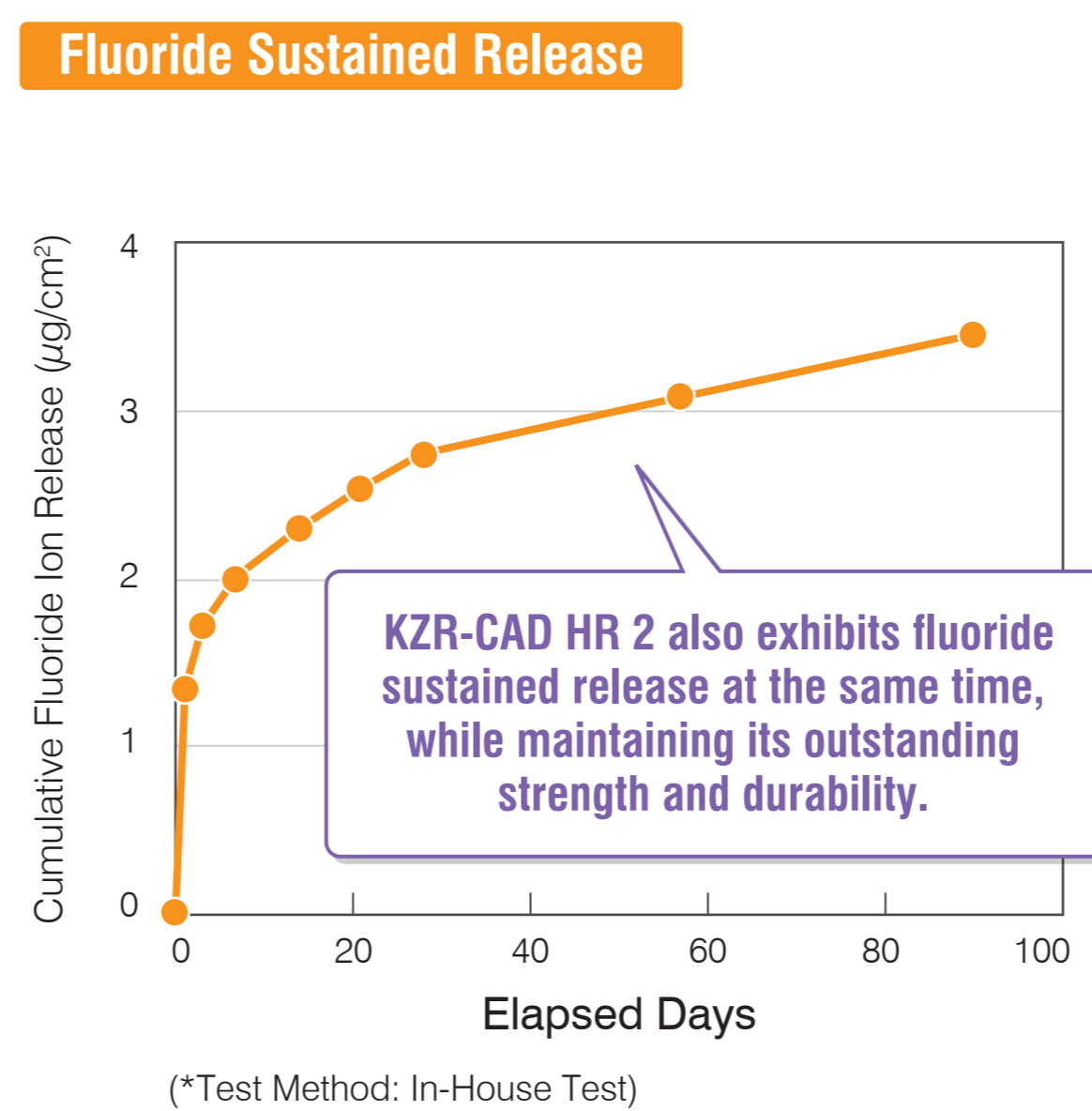
## Outstanding Strength and Durability



KZR-CAD HR 2 has maintained high flexural strength of over 250 MPa and it has the same excellent durability as KZR-CAD HR, even after thermal cycle testing (5,000 times at 4-60°C, equivalent to about 1 year and a half \*2).

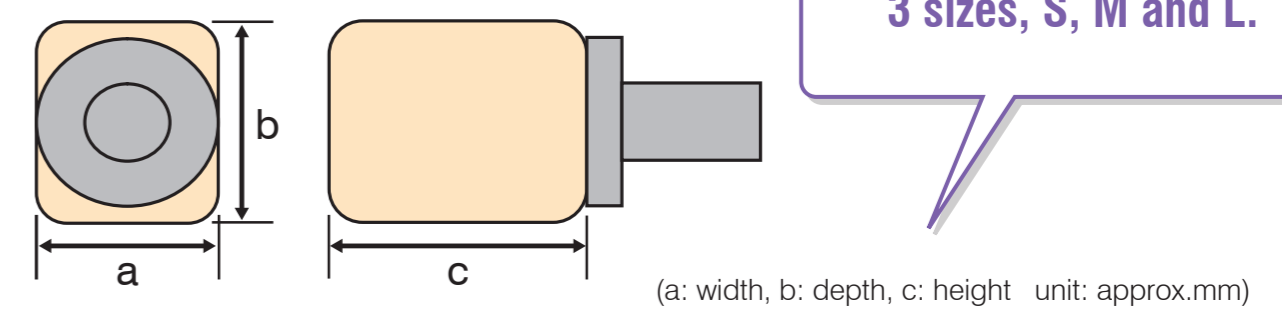
\*2) Assuming 10 thermal changes a day.

## Long-term Sustained Release of Fluoride



KZR-CAD HR 2 continuously emits fluoride ion securely, and stably maintains its strength by optimization of the surface-treatment conditions of fluoride ion release filler.

## Lineup



The product Line-Up has 3 sizes, S, M and L.

Shade	Quantity	Size		
		2 notch		1 notch
A2	5 pcs	S	M	L
A3		a10, b12, c15	a12, b14, c18	a14.5, b14.5, c18
A3.5				

The mounting jig comes with two notch, for S and M size and with one notch for L size.

KZR-CAD HR 2 achieves new levels of performance while maintaining the excellent properties of Yamakin's previous KZR-CAD HR products.

## Properties (reference value)

		HR 2	HR
Flexural Strength	Three Point Flexural Test <sup>(1)</sup>	MPa <b>235</b>	235
	Double-Axis Flexural Test <sup>(2)</sup>	MPa <b>290</b>	300
Vickers Hardness		HV0.2 <b>85</b>	90
X-Ray Imaging Characteristic/Fluorescence		Yes	Yes
Fluoride Sustained Release		Yes	-
Combatting Bacteria Adherence		Yes	-

The figures given are for reference purposes and are not specifications.

\*1 Three-point bending test: JIS T 6517

\*2 Two-point bending test: ISO6872 (Diameter of supporting disc: 12 mm)