



H.B. Fuller



KÖMMERLING

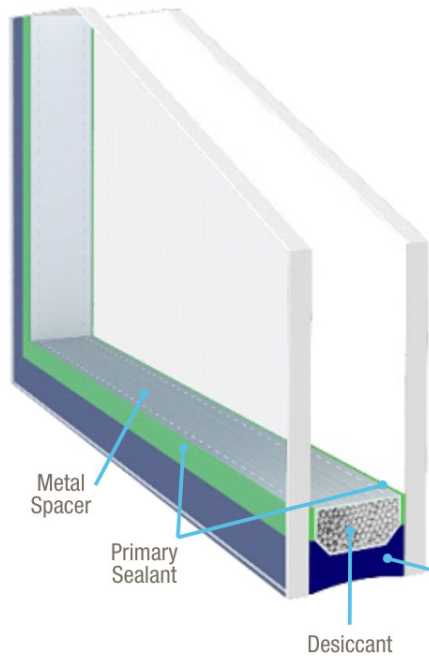
INSULATING GLASS

KÖDISPACE 4SG

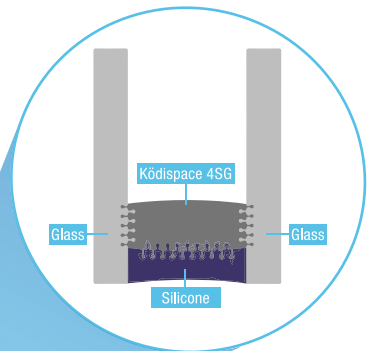
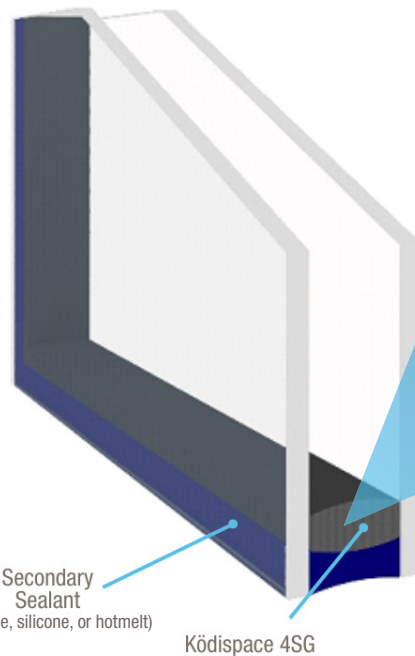
Ködispace 4SG is a reactive thermoplastic warm edge spacer system with built-in desiccant that completely replaces the traditional edge system made of spacer, desiccant and primary seal.



Standard Box Spacer Unit



Ködispace 4SG Unit



PERFORMANCE COMPARISON

	Ködispace 4SG	Foam Spacer	Hybrid Spacer	Stainless Steel
Gas Retention	● ● ●	●	● ●	● ●
Thermal Conductivity	● ● ●	● ● ●	● ● ●	●
Flexibility	● ● ●	● ●	●	●
Robotically Applied	● ● ●	● ● ●	-	-
Aesthetics	● ● ●	● ●	●	●
Durability	● ● ●	● ●	● ●	● ●
Chemically Bonded to Glass	● ● ●	-	-	-
Higher Temperature Stability	● ● ●	-	-	-
Automated Thickness Application	● ● ●	-	-	-

CERTIFICATIONS

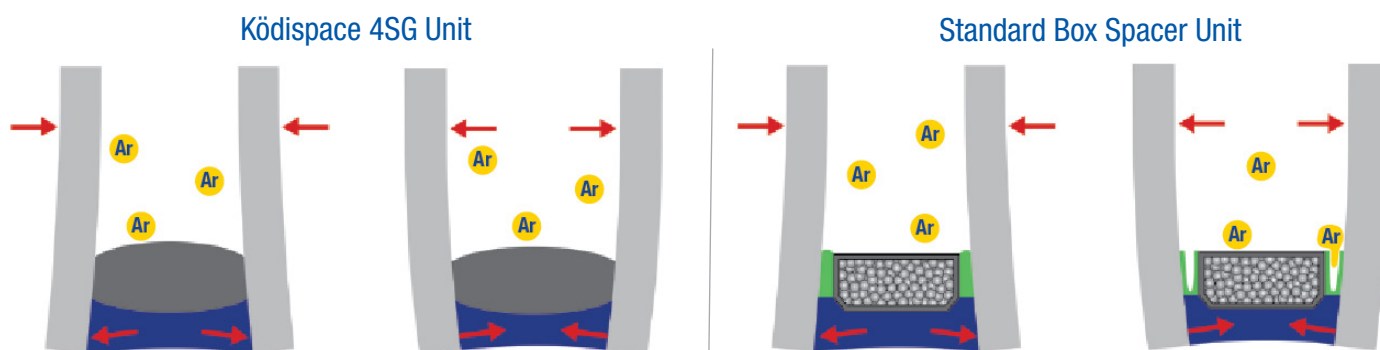
- CGSB-12.8
- ASTM E2190
- CEKAL
- EN 1279

SUPERIOR GAS RETENTION

Among the variety of spacer materials available, Ködispace 4SG emerges as a standout choice, offering not only a warm-edge solution but also exceptional gas retention capabilities.

Even after undergoing multiple rounds of standard IG testing, the argon content in a Ködispace 4SG unit remains consistently above 90%, surpassing all other tested spacer systems. This exceptional gas retention ensures minimized heat loss and reduced energy demands over time. This unique gas retention characteristic translates into prolonged energy efficiency, making Ködispace 4SG a compelling choice for construction projects prioritizing long-term sustainability.

Edge Seal Comparison- Progressive Weathering (EN1279-3)											
	Initial Argon Content	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10
Aluminum Spacer	93	93	92	92	91	89	Frost Point Failure				
Hybrid Spacer #1	92	92	91	90	89	86	Frost Point Failure				
Hybrid Spacer #2	91	90	90	90	86	Frost Point Failure					
Foam Spacer	95	93	85	Frost Point Failure							
Ködispace 4SG	99	98	98	97	96	96	95	94	94	93	92



Ködispace 4SG stays gas-tight during expansion and compression cycling of the unit. Stress is extended over the full spacer width and not concentrated only on the edges. This helps retain argon **Ar** and energy efficiency.

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