



CORNING

Corning[®] FLORA[®] Substrates

Next-generation substrates reduce toxic emissions at vehicle engine start

Corning builds on more than 50 years of ceramic material and process knowledge with its fast light-off substrates. Through a unique material design that significantly reduces mass, FLORA[®] substrates can reach operating temperature more quickly than our standard Celcor[®] substrates to lower cold-start emissions. Discover best-in-class technical expertise from the company that invented cellular ceramic substrates and sets the standard for catalytic converters worldwide.

Contact Us

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Corning® FLORA® Substrates

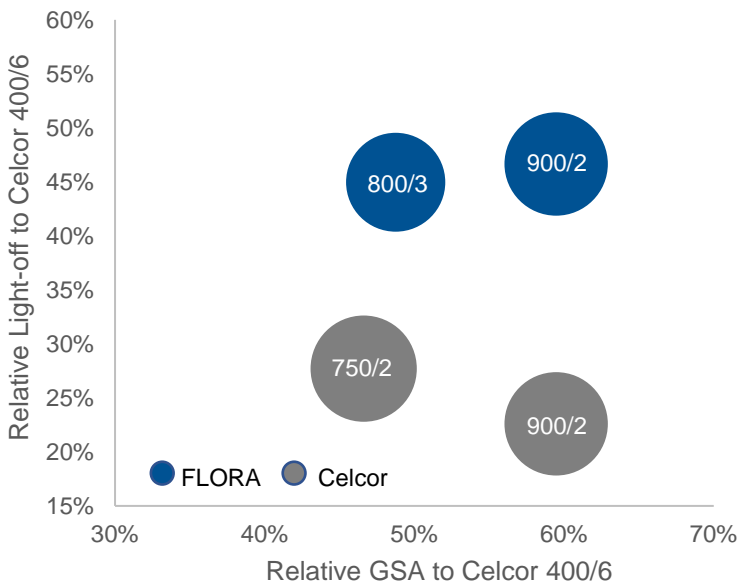
- Fastest light-off time for lowest HC emissions
- On-wall coating to maximize catalytic performance
- Can lower system cost by reducing precious metal use

Applications

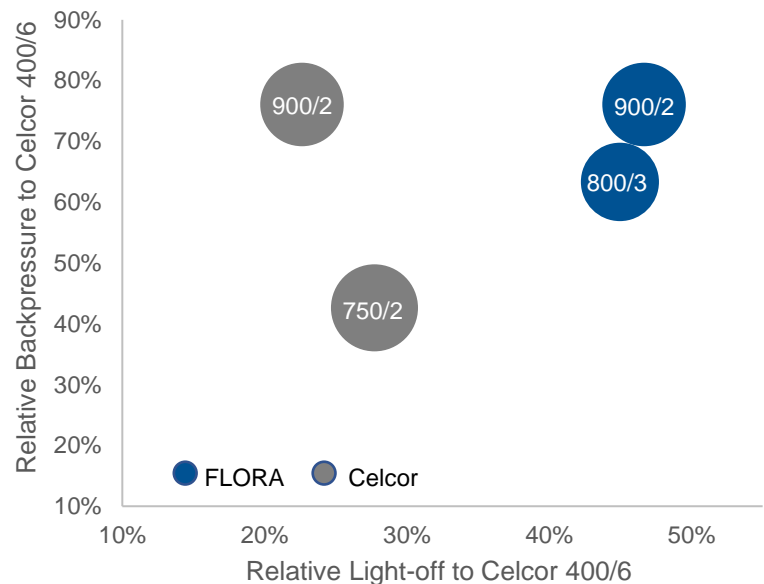
- Close-coupled for light-duty gasoline



Geometric Surface Area / Light-off



Backpressure / Light-off



FLORA offers a clear upgrade path to reduce time to light-off and reduce emissions starting from any ultra-thin wall product.

At any target backpressure level, FLORA has lower time to light-off than standard products.

Product [cps/web]	Time to Light-off ¹ [s]	Backpressure ² [kPa]	GSA [cm ² /cm ³]
Celcor 750/2	55.3	2.4	40.2
FLORA 800/3	42.1	2.7	40.8
Celcor 900/2	59.2	2.9	43.7
FLORA 900/2	40.8	2.9	43.7

¹ Calculated on bare 188.41 x 73 mm part at 200 kg/hr ~ 800° C

² Calculated on bare 188.41 x 73 mm part

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