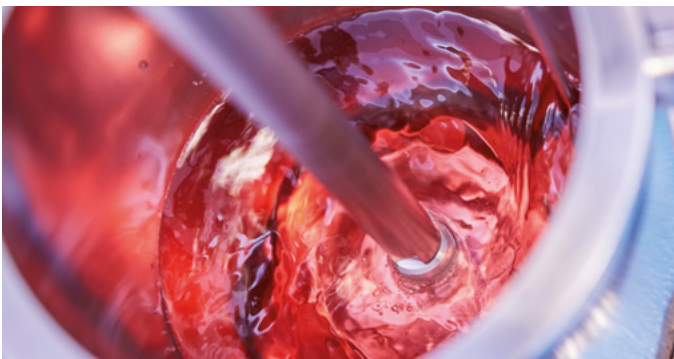


AMPERGY®

Screen printing pastes for solid oxide fuel cells

- Quality and performance advantages due to the combination of powder and paste production
- Binder systems: according to customer specifications or developed by us
- Customizable solutions: viscosity, solid content, particle size, powder BET and chemistry according to customer requirements
- Exactly specified paste properties enable defined sinter shrinkage settings to match your system
- Mixed pastes (e.g. LSCF/GCO) can be offered in different, homogeneously mixed ratios

Powder	Powder type	Typical applications
LSM paste	$\text{La}_{0.75}\text{Sr}_{0.20}\text{MnO}_3$ $\text{La}_{0.65}\text{Sr}_{0.30}\text{MnO}_3$	<ul style="list-style-type: none"> • Viscosity 10Pas – 80Pas (customer defined) • Solid content up to 80w% possible • Particle size defined by customer
LSCF paste	$\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$	<ul style="list-style-type: none"> • Viscosity 10Pas – 100Pas (customer defined) • Solid content up to 75w% possible • Particle size defined by customer
LSMC paste	$\text{La}_{0.8}\text{Sr}_{0.2}\text{Co}_{0.1}\text{Mn}_{0.9}\text{O}_3$	<ul style="list-style-type: none"> • Viscosity 10Pas – 80Pas (customer defined) • Solid content up to 80w% possible • Particle size defined by customer
LSC paste	$\text{La}_{0.9}\text{Sr}_{0.1}\text{CoO}_3$ $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$	<ul style="list-style-type: none"> • Viscosity 10Pas – 100Pas (customer defined) • Solid content up to 85w% possible • Particle size defined by customer
MCF paste	$\text{Fe}_{0.05}\text{Co}_{0.95}\text{MnO}_4$	<ul style="list-style-type: none"> • Viscosity 10Pas – 100Pas (customer defined) • Solid content up to 85w% possible • Particle size defined by customer
GCO paste	$\text{Gd}_{0.1}\text{Ce}_{0.9}\text{O}_2$ $\text{Gd}_{0.2}\text{Ce}_{0.8}\text{O}_2$ $\text{Gd}_{0.4}\text{Ce}_{0.6}\text{O}_2$	<ul style="list-style-type: none"> • Viscosity 5Pas – 50Pas (customer defined) • Solid content up to 70w% possible • Particle size defined by customer
NiO paste	NiO	<ul style="list-style-type: none"> • Viscosity 10Pas – 60Pas (customer defined) • Solid content up to 75w% possible • Particle size defined by customer



Sales

Global: Maria Teresa Suarez Martin
 mariateresa.suarezmartin@hoganäs.com

Americas: Susan Vogel
 susan.vogel@hoganäs.com

Japan: Ken Imamura
 ken.imamura@hoganäs.com

South East Asia: Henry Chen
 henry.chen@hoganäs.com

Technical Support

Global: Sebastian Schuette
 sebastian.schuette@hoganäs.com

Please email inquiries to our global email address: advanced-ceramics@hoganäs.com.

We will gladly redirect your questions to the sales manager in your region.