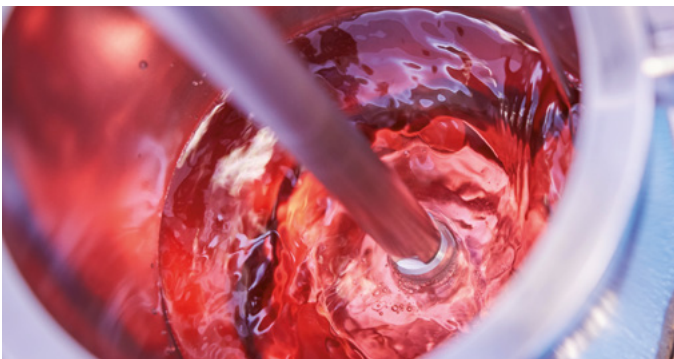


Ampergy®

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 |



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