

## Technical Data Sheet

### THICK FILM MATERIALS

Product Type: Component Metallization

Product Name: ST1433



#### Sprayable Ag Termination for PZT

##### Description

ST1433 is a sprayable silver metallization developed for lead zirconate titanate (PZT) ceramic bodies. Its rheology is suitable for spray application for fragile substrates or contoured surfaces where printing is not practical. It will fire to a dense film for maximum capacitance.

ST1433 also has excellent adhesion and solderability. ST1433 is supplied at a viscosity for spraying or brushing. Additional thinning is permitted to fit different spray equipment and process.

##### Key Benefits

- REACH<sup>1</sup> compliant
- Specially formulated for use on PZT ceramics
- Viscosity ready for spray
- Excellent solderability and adhesion

##### Typical Properties

###### Metal Type

Silver

###### Viscosity

3000 – 5000 cps, Brookfield  
Spindle #14 in utility cup, at 10 rpm, 25 °C

###### Solids

70.0 – 73.0 %

##### Recommended Processing Guidelines

###### Application

The material should be thoroughly shaken in its container before use. Ensure it is homogeneous and no sedimentation

Apply the materials by dipping or spraying.

###### Drying

150 °C for 5 – 10 minutes

###### Firing

550 – 650 °C peak temperature  
Dwell time of 5 – 7 minutes at peak

###### Thinner

RV-916

###### Warranty

Material guaranteed to meet specifications for 6 months from date of shipment.

###### Storage

Store in a dry location at 5 – 25 °C.

###### **DO NOT REFRIGERATE.**

Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.



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### Legend:

1) REACH compliant according to the latest \*\* Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

\* See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request

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