

## LEED series silver paste for vehicle window defogging

The series of LEED silver paste is an environmental conductor paste researched completely by HUNAN LEED THICK FILM PASTE CO.,LTD.it is designed for vehicle front/rear window defogging.It is non-toxic up to European RoHS environment regulation(2002/95/EC).Hunan LEED has provided perfect technical service and powerful technical support to meet every customer.

### 1.Silver Paste For Vehicle Front Window Defogging DT557X

DT557X is a silver paste designed for vehicle front window defogging. It is non-toxic up to European RoHS environmental regulation(2002/95/EC). It has features of strong adhesive power, good weldability, excellent ageing resistance, small range of resistance with long-time printing, and have good compatibilities with black galzed .

#### Paste trait

Model	DT5571	DT5574
Silver Content (%)	80	65
Viscosity	60±25 Pa·s( 10 rpm, 25° C±0.5° C)	
Fineness	<20µm	
Solid Content	82±2%	76±2%
Printability Silk-screen	150~250 polyester screen	
Leveling Time	at room temperature, 2~3minutes	
Drying	150~180° C /( 3 minutes)	
Firing	600~650°C/3 minutes	
Film Thickness (µm)	8--15µm	
Spreading rate	~100cm <sup>2</sup> /g (fried thickness :10µm)	
Conductivity (mΩ/sq)	≤4	≤9
Stability of Resistor	Good	
Loop performance	Acid Resistant、good energization life	
Adhesion ( N )	≥130	≥110
Thinner	LEED DZ-XS	
Shelf Life	6 months (5~10°C)	

#### Notice of usage and storage:

1. The used material should be collected and sealed up alone. Don't mix with other untapped material.
2. Before using the paste, it is essential to take out of from icebox or icehouse firstly and place it at about 25°C beyond 12 hours. Keep stir it slowly and fully till the composition of this paste is uniform.

3. It should be guaranteed that the room temperature and appliance temperature remains  $26\pm 2^{\circ}\text{C}$  during printing.
4. Paste material placed on the screen should be moderate and added regularly when making screen-printing.
5. Dilute the paste moderately to recover the printing performance.
6. The storage temperature is recommended between  $5$  and  $25^{\circ}\text{C}$ . The shelf time is commonly 6 months.

## 2. Silver Paste For Vehicle Rear Window Defogging DT557X-H

DT557X-H is a silver paste designed for vehicle rear window defogging. It is non-toxic up to European RoHS environmental regulation(2002/95/EC). It has features of strong adhesive power, good weldability, excellent ageing resistance, small range of resistance with long-time printing, and have good compatibilities with black galzed .

### Paste trait

Model	DT5571-H	DT5574-H
Silver Content (%)	80	65
Viscosity	$60\pm 25$ Pa·s ( 10 rpm, $25^{\circ}\text{C}\pm 0.5^{\circ}\text{C}$ )	
Fineness	$< 20\mu\text{m}$	
Solid Content	$82\pm 2\%$	$76\pm 2\%$
Printability Silk-screen	150~250 polyester screen	
Leveling Time	at room temperature, 2~3minutes	
Drying	$150\sim 180^{\circ}\text{C}$ / ( $> 15$ minutes)	
Firing	$680\sim 710^{\circ}\text{C}$ / $> 10$ minutes	
Film Thickness ( $\mu\text{m}$ )	8--15 $\mu\text{m}$	
Spreading rate	$\sim 100\text{cm}^2/\text{g}$ (fried thickness :10 $\mu\text{m}$ )	
Conductivity (m $\Omega$ /sq)	$\leq 3$	$\leq 12$
Stability of Resistor	Good	
Loop performance	Acid Resistant、good energization life	
Adhesion (N)	$\geq 130$	$\geq 110$
Thinner	LEED DZ-XS	
Shelf Life	6 months ( $5\sim 10^{\circ}\text{C}$ )	

### Notice of usage and storage:

1. The used material should be collected and sealed up alone. Don't mix with other untapped material.
2. Before using the paste, it is essential to take out of from icebox or icehouse firstly and place it at about  $25^{\circ}\text{C}$  beyond 12 hours. Keep stir it slowly and fully till the composition of this paste is uniform.
3. It should be guaranteed that the room temperature and appliance temperature remains  $26\pm 2^{\circ}\text{C}$  during printing.
4. Paste material placed on the screen should be moderate and added regularly when making screen-printing.
5. Dilute the paste moderately to recover the printing performance.
6. The storage temperature is recommended between  $5$  and  $25^{\circ}\text{C}$ . The shelf time is commonly 6 months.