

# Non-Halogen Cored Solder NHR-TH

Halogen-free solder is the human friendly ecological solder.  
Halogen compound, which commonly contained in flux as an activator, is known to emits dioxon while combustion.

## NHR-TH

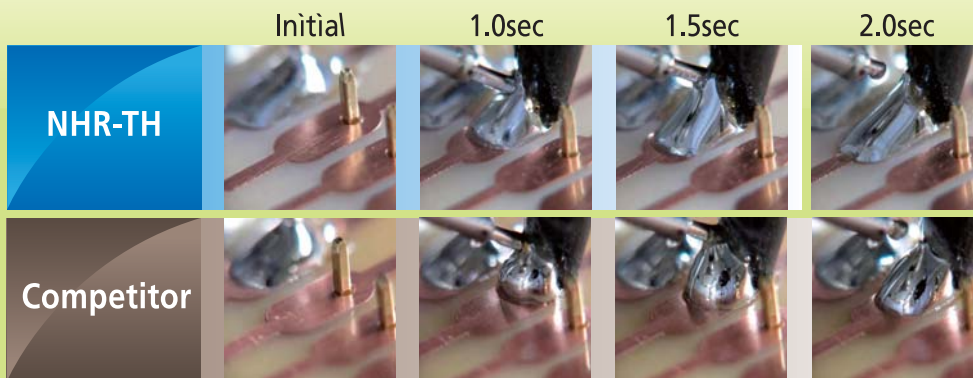
Non-Halogen, low splatter and quick wetting.

Product name	NHR-TH	Competitor
Category	Non-Halogen	Non-Halogen
Alloy Composition	Sn-3.0Ag-0.5Cu	Sn-3.0Ag-0.5Cu



## Evaluation Solderability Comparison

Test Method Spreadability and wetting speed comparison by soldering robot.  
Tip temperature : 350°C Feeding amount : 25mm  
Feeding speed : 20mm/sec Cu pad size : 6 x 3,5mm

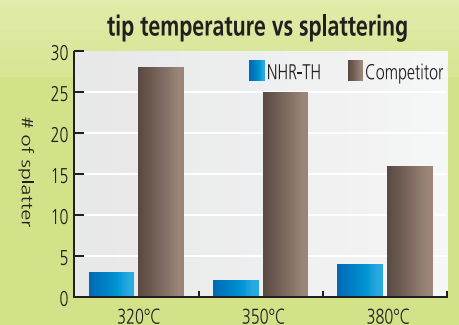


## Evaluation Splattering Test

Test Method Solder Cu plate by point soldering automatically.  
Cu plate is placed onto thermal paper, then number of flux splattering is counted.  
Tip Temperature : 320°C, 350°C, 380°C Feeding Amount : 10mm  
Feeding Speed : 10mm/sec Soldered point : 20points Cu Pad size : 90 x 15mm



《Appearance after evaluation 350°C》



### Product name component of cored solder

(Example) NHR-TH LFM-48 3,5% 0,50

Flux Name + Alloy Name + Flux Content + Wire Diameter

### Product Specifications

Flux Name	Alloy composition	Melting range	Flux Content	Wire Diameter (mm)	Alloy Features
NHR-TH	LFM-48 (Sn-3.0Ag-0.5Cu)	217-220°C	3.5%	0.3, 0.38, 0.5, 0.65, 0.8, 1.0, 1.2, 1.6	JEITA alloy
	LFM-48-S (Sn-3.0Ag-0.5Cu-0.04Fe)	217-221°C	3.5%	0.3, 0.38, 0.5, 0.65, 0.8, 1.0, 1.2, 1.6	Almit patented alloy

\* LFM-48 has been sublicensed for US Pat.No.5527628