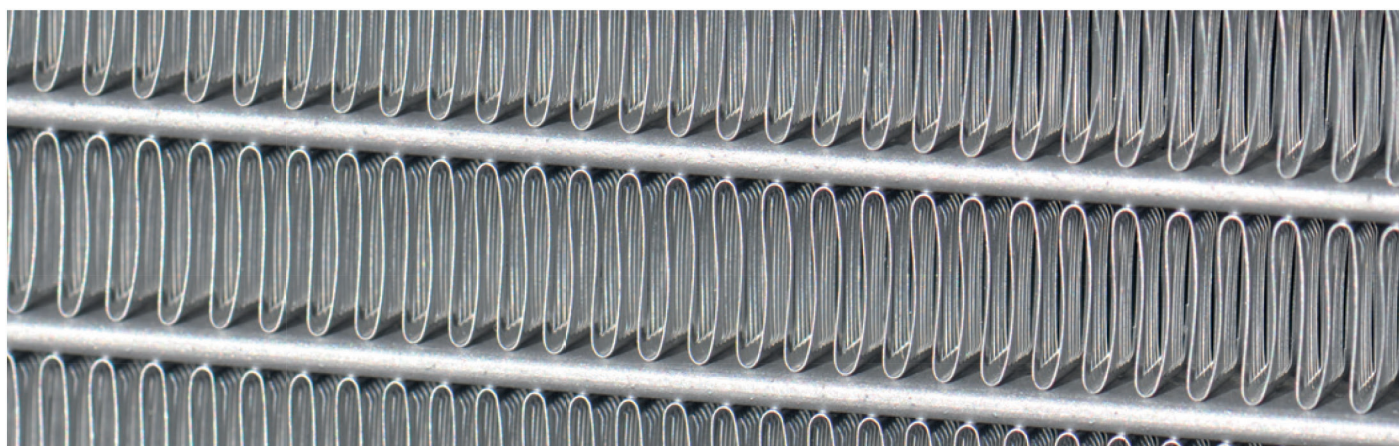


ALUMINIUM BRAZING FLUXES PRODUCT RANGE

Honeywell Fine Chemicals offers a wide, specialised range of high purity fine chemicals for aluminium brazing:

| | | KAlF _x | CsAlF _x | ZnF ₂ | LiF | KF | NaF | Li ₃ AlF ₆ | Na ₃ AlF ₆ | K ₃ AlF ₆ | K ₂ TiF ₆ |
|--------------------------|---|-------------------|--------------------|------------------|-----|----|-----|----------------------------------|----------------------------------|---------------------------------|---------------------------------|
| FLUXING AGENTS | Standard aluminium-brazing flux | X | | | | | | | | | |
| | Aluminium-brazing flux for high magnesium containing alloys | X | X | | | | | | | | |
| | Low-melting flux for flame brazing | X | X | X | | | | | | | |
| | Non-inhalable dust grades | X | X | | | | | | | | |
| FLUX FORMULATIONS | Powder blends | X | X | | | | | | | | |
| | Flux suspension | X | X | | | | | | | | |
| | Paint flux | X | X | | | | | | | | |
| | Flux paste | X | X | | | | | | | | |
| | Brazing paste | X | X | | | | | | | | |
| ADDITIVES FOR: | Aluminium alloys containing magnesium | | X | | X | | | | | | |
| | Optimize melting behaviour | | | | X | | | X | X | | |
| | Reduce residue solubility | | | | X | | | | | X | |
| | Improve oxide solubility | | | | | | | | | X | |
| | Reinforced aluminium-matrix composites | | | | | | | | | | X |
| | Corrosive fluxes | | | | X | X | X | | | | |

Honeywell Fine Chemicals product portfolio is constantly expanding to complement the existing range of high quality, consistent and reliable fluxes to serve customers in the aluminium brazing industry.



We are producing fluoroaluminates of potassium and cesium, which are key active components in aluminium brazing fluxes. Features of Honeywell potassium fluoroaluminate include:

- Uniform amorphous and less abrasive morphology
- High reactivity with aluminium oxide
- Low melting point
- Controlled and narrow particle size distribution
- Excellent free-flowing and non-settling properties

| Article number | type | F | Al | K | Fe | Ca | Melting point onset | loss on ignition | Particle size (D50) |
|----------------|-----------|---------|---------|----------|--------|-------|---------------------|------------------|---------------------|
| 01774 - UF | Ultrafine | 47- 53% | 14 -18% | 27 - 39% | ≤0,03% | ≤0,1% | ≤555°C | ≤5% | 5 - 10µm |
| 01740 - F | Fine | 47- 53% | 14 -18% | 27 - 39% | ≤0,03% | ≤0,1% | ≤555°C | ≤2,5% | 8 - 12µm |
| 01732 - M | Medium | 47- 53% | 14 -18% | 27 - 39% | ≤0,03% | ≤0,1% | ≤555°C | ≤2,5% | 10,5 - 15µm |
| 01776 - D | Dry | 47- 53% | 14 -18% | 27 - 39% | ≤0,03% | ≤0,1% | ≤555°C | | ≥ 15µm |

| Article number | type | F | Al | Cs | Melting point onset | loss on ignition | pH | Particle size (D50) |
|----------------|--------------|---------|--------|----------|---------------------|------------------|--------|---------------------|
| 01773 - N | normal | 28- 33% | 8 -12% | 56 – 62% | ≤445°C | ≤3% | 4 - 11 | 5 - 20 |
| 01799 - S | special | 28- 33% | 8 -12% | 56 – 62% | ≤445°C | ≤3%* | 4 - 11 | 5 - 20 |
| 01781 - HW | high wetting | 28- 33% | 8 -12% | 56 – 62% | ≤445°C | ≤5% | 4 - 11 | ≥ 5µm |

*application test

For more information

visit honeywell-brazingsolutions.com

Honeywell Specialty Chemicals Seelze GmbH

Wunstorfer Strasse 40
D-30926 Seelze, Germany
Tel: +49 5137 999-214 or 100 (ext.)
Fax: +49 5137 999-123
www.honeywell-brazingsolutions.com

Honeywell International Inc.

115 Tabor Rd
Morris Plains
New Jersey 07950
Tel: +1 9734554235
Fax: +1 9736954231
www.honeywell.com



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