

Limited Warranty For Alcoa® Wheels¹ (Rev. April 2020)

This limited warranty applies to new Alcoa Wheels, including forged aluminum wheels for medium duty and heavy duty trucks, truck trailers, bus, RV or motorhome wheels ("Wheels") and the surface or rim flange treatments applied to the Wheels. "Transit Wheels" means Wheels used on transit vehicles, such as buses and vans, whose primary purpose is to transport people. The warranties set forth in this document apply to all Alcoa Wheels manufactured by Howmet and sold by Howmet or its authorized distributor to an original purchaser of the Wheel or the end user of the Wheel.

Howmet warrants that the Wheel is free from defects in material and workmanship for the applicable time period set forth below, provided that Howmet does not warrant against and does not provide remedies for immaterial cosmetic defects such as minor discoloration, buffing marks, or nicks:

- a. Except as stated in (b) of this section, Wheels are warranted for 60 months from the date of manufacture as shown on the Wheel.
- b. Transit Wheels and RV and motorhome Wheels are warranted for 120 months from the date of manufacture as shown on the Wheel.

Howmet agrees, without charge, to repair or replace a Wheel that fails in normal use or service (see the qualifications section below) because of defects in material and workmanship.

Howmet warrants the Alcoa Dura-Bright® surface treatment against:

- i. filiform corrosion (worm or hair like lines underneath surface protective treatment and emanating from damage to the surface treatment); and
- ii. blistering or peeling due to loss of adhesion of the surface treatment.

The Alcoa Dura-Bright surface treatment warranty is for the applicable period of time set forth below:

- a. Except as stated in (b) of this section, Alcoa Dura-Bright surface treatment on Wheels is warranted for 60 months from the date of manufacture as shown on the Wheel.
- b. Alcoa Dura-Bright surface treatment for RV and motorhome Wheels is warranted for 120 months from the date of manufacture as shown on the Wheel.

Howmet warrants the Alcoa Dura-Flange® rim flange treatment against wear which creates a sharp edge that would require maintenance for 24 months from the date of manufacture as shown on the Wheel.

If the Alcoa Dura-Flange® rim flange treatment or the Alcoa Dura-Bright® surface treatments fail in normal use or service (see the qualifications section below) to meet the foregoing warranties on a Wheel, Howmet agrees, without charge, to replace the Wheel with a like or similar product.

¹ The Alcoa trademarks are owned by Alcoa USA Corporation and used by Howmet Aerospace Inc. and its subsidiaries under license from Alcoa USA Corporation.

Repair or replacement, as provided for in this limited warranty, are subject to adherence to Howmet's return material authorization process.

Qualifications: Howmet is not liable for, does not warrant, and will not repair or replace or make adjustment, with respect to any Wheel or surface or rim flange treatment on such Wheel that has been subjected to misuse, abuse, or improper modification, including any of the following:

- a. Using a tire which is oversized according to standards recommended by the Tire and Rim Association, Inc. or other recognized tire and rim agencies such as ETRTO (Europe);
- b. Failure to install, use and maintain Wheels in strict conformity with all applicable laws, regulations, codes and industry standards;
- c. Loading the Wheel beyond the applicable maximum Wheel load as specified by Howmet;
- d. Inflating tires beyond the applicable maximum pressure as specified by Howmet;
- e. Except as permitted by the Service Manual for Alcoa Wheels ("Service Manual"), changing the original condition of the Wheel by alteration or by subjecting it to any processing or changes, such as welding, straightening, painting, coating, installing a new tire valve, or heat treating;
- f. Accidents or abnormal or severe operating conditions, including without limitation tire fires, brake fires, severe brake system drags or seizures or running with a flat tire;
- g. Failure to follow maintenance, instructions or warnings set forth in the Service Manual, Technical Bulletins or other literature for Wheels. Recommended maintenance includes, without limitation, using proper torque, periodic cleaning, polishing, replacing the valve, inspecting rim flange wear and following maintenance procedures and periodically inspecting tires and system components connected to the Wheel for damage and loose lug nuts;
- h. Nicks, scratches and other surface blemishes resulting from neglect, road salt, harsh conditions, improper maintenance, cleaning, road debris, curbing, accident or operation;
- i. Rim flange wear (unless the rim flange has been treated with Dura-Flange®);
- j. Using a spacer or adaptor of any kind;
- k. Damaging the surface during tire mounting and installation due to the use of improper tools or balancing with wheel weights; or
- l. Damage due to cleaning with strong chemicals (acids or alkaline) or abrasives, such as abrasive brushes, steel wool, or scouring pads; or
- m. further use of a Wheel after discovery of a defect.

THERE IS NO WARRANTY THAT THE WHEEL SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EXCEPT SUCH AS IS EXPRESSLY SET FORTH HEREIN. HOWMET SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES FOR ANY BREACH OF WARRANTY. HOWMET'S LIABILITY AND THE EXCLUSIVE REMEDY

AVAILABLE TO ANY PARTY IS LIMITED TO REPAIR OR REPLACEMENT OF THE WHEEL AS STATED IN THIS LIMITED WARRANTY.

THIS LIMITED WARRANTY DOES NOT APPLY TO AND HOWMET MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO GOODS MANUFACTURED BY THIRD PARTY SUPPLIERS, SUCH AS TIRE PRESSURE MONITORING SYSTEMS AND VALVE FILTERS. ANY WARRANTIES WITH RESPECT TO SUCH GOODS ARE LIMITED TO THOSE WHICH ARE OFFERED BY SUCH SUPPLIERS AND ARE TRANSFERABLE.

This limited warranty should be used in conjunction with the Service Manual and the Dura-Bright Wheels Cleaning Guide. The Service Manual contains important safety information and warnings. Failure to read and understand that information may result in serious injury or death. If you do not have copies of the Service Manual or cleaning guide, you may obtain copies free of charge at www.alcoawheels.com or by contacting Howmet Wheel Products at +86 512 68837906 or the address below:

Howmet Wheel Products (Suzhou) Co., Ltd.
5 Xishui Road, Yuexi, Wuzhong, Suzhou, JiangSu, China 215104



Wheels that are not properly installed or maintained may not be safe.

Failure to follow proper wheel installation or maintenance practices may result in injury or death.

Follow the proper wheel installation and maintenance practices as contained in the Service Manual for Alcoa Wheels.

Laws, regulations, industry standards and maintenance and safety codes govern the installation, use, and maintenance of Alcoa Wheels and may vary widely. It is the responsibility of the owner, OEM, fleet, installer and/or user, consistent with their roles, to install, use and maintain Alcoa Wheels according to all applicable laws, regulations, codes and industry standards.