

# SERVICE BULLETIN

Dura-Bright<sup>®</sup>, additional maintenance  
May 2009

This service bulletin informs about maintenance of Dura-Bright<sup>®</sup> wheels that were and are subject to damage, erosion and discoloring of the Dura-Bright<sup>®</sup> treatment.

## Regular conditions do not require special routines

Dura-Bright<sup>®</sup> wheels can be kept clean with soap and water or with mild acid washes that also can be used safely on the vehicles' painted surfaces.

## Conditions that may require an additional maintenance practice

### **Handling marks, traces of use**

Dura-Bright<sup>®</sup> wheels with handling marks or traces of use like scratches, nicks, dents or gouges, collect disc brake dust on those parts of the surfaces where the treatment is missing. These surfaces will look as if they have not been treated with Dura-Bright<sup>®</sup>.

### **Erosion**

Dura-Bright<sup>®</sup> wheels mounted on vehicles used on gravel roads or on asphalt roads where sand, stones or other material erode the Dura-Bright<sup>®</sup> surface, will gradually show a declining layer of treatment. Due to the missing full coverage of Dura-Bright<sup>®</sup> treatment, disc brake dust will gradually build up at the rim horn area near the vent holes.

### **Discoloring**

Dura-Bright<sup>®</sup> wheels on axles with disc brakes may show a gradual discoloring over time. Mostly seen on front axles, wheels will develop a brownish, copper or golden haze next or offset to the vent holes depending on the rotation direction. This discoloring is due to sediment of residue elements from disc brake pads.

The above mentioned conditions may appear sooner after a winter period or at longer intervals between cleaning. More frequent cleaning with soap and water is recommended anyway.

NOTICE: These conditions are not warrantable.

Only blistering, peeling, lift off of the Dura-Bright<sup>®</sup> treatment, as well as filiform corrosion, is warrantable for a period of 60 months from date of manufacturing.

## Additional maintenance practice

- Wheels or parts of wheels that show conditions as described above may require an additional maintenance.
- The use of ALclean with the ALbrush is recommended to remove disc brake dust, corrosion or discoloring as with regular untreated surfaces.
- The Dura-Bright<sup>®</sup> treatment will not be affected by the use of ALclean if it is used on limited occasions and time.

### **ATTENTION**

Read the safety instructions that can be found on the label of the ALclean 1 liter bottle or 5 or 25 liters can. MSDS are available upon request.

ALclean and ALbrush are available from Alcoa distributors and dealers in Europe. For the actual list of contacts see: [http://www.alcoa.com/alcoawheels/europe/pdf/distributor\\_list\\_2009\\_feb.pdf](http://www.alcoa.com/alcoawheels/europe/pdf/distributor_list_2009_feb.pdf)

How to proceed:

1. Make sure the wheel is not hot. The recommended temperature of the wheel should be 5°C to 35°C.
2. Remove all cap nut covers if present.
3. Thoroughly remove dust, sand, with water from a hose or a high pressure cleaner. Do not dry the wheel.
4. Use a limited quantity (10 cc) of undiluted ALclean with ALbrush and gently brush the wheel 2 to 3 times with short breaks for 2 to 3 minutes in total.
5. Rinse the wheel thoroughly with plenty cold or lukewarm water.
6. Repeat step 4 and 5 until disc brake dust, corrosion and / or discoloring are removed.
7. After the wheel has dried, refit the cap nut covers.

Furthermore continue to use soap and water frequently and on a regular base for cleaning Dura-Bright® treated wheels. Perform the additional maintenance using the ALclean as described in steps 1 to 7 on limited occasions only.

WARNING the main element of ALclean is phosphoric acid with pH value 2. Preferably do not use wheel cleaners as these may have stronger acidities with a lesser pH value (the lower the number, the stronger the acidity). These cleaners may contain hydrochloric, sulfuric or nitric acid, or even contain hydrofluoric acid. The latter, hydrofluoric acid, often used in car / truck wash pre treatment routines for wheels, should never be used on Dura-Bright® treated wheels.

The upper half before the additional treatment



The lower half after the additional treatment