







## TEROSON® Liquid Applied Sound Deadener (LASD) Sound Damping for Advanced Vehicle Development

The increased use of Battery Electric Vehicles means a host of new challenges and opportunities. For example, noises that were previously covered up by Internal Combustion Engines, such as from the tires, road and ancillary systems, are now exposed - making NVH technologies more important than ever in relation to BEV design & manufacturing. TEROSON water-based and rubber-based LASD significantly reduce structural noise by dissipating vibrational energy.

The technology offers a variety of benefits, including:

-  Material weight reduction, saving an average of up to 2kg per car compared to traditional bitumen melt sheets.
-  Manual or robotic spray application possible at 3mm film thickness without sagging or sliding on e-coat including overhead and vertical applications.
-  Robotically applied LASD assures consistent application, providing reliable and sustainable NVH performance.
-  LASD is a bulk NVH material that reduces inventory complexity and logistics costs compared to conventional damping pads.



## NA:

### Water-based LASD (paint shop)

#### TEROSON AL 7165

Density: 1.45 to 1.55 g/cm<sup>3</sup>  
(wet) and 0.9 to  
1.1 g/cm<sup>3</sup> (cured)

Acoustic apx. 0.2 at  
Performance: 35 degrees C



## EU:

### Water-based LASD (paint shop)

#### TEROSON AL 7151

Density: 1.45 to 1.55 g/cm<sup>3</sup>  
(wet)/0.8 to  
1.0 g/cm<sup>3</sup> (cured)

Acoustic > or equal to 0.2 at  
Performance: 10 degrees C  
Expansion: 30 to 50%

#### TEROSON AL 7154

Density: 1.45 to 1.55 g/cm<sup>3</sup>  
(wet)/0.8 to  
1.0 g/cm<sup>3</sup> (cured)

Acoustic apx. 0.25 at  
Performance: 20 degrees C  
Expansion: 30 to 50%

#### TEROSON AL 7165

Density: 1.45 to 1.55 g/cm<sup>3</sup>  
(wet) and 0.9 to  
1.1 g/cm<sup>3</sup> (cured)

Acoustic apx. 0.2 at 35  
Performance: degrees C

### Rubber-based LASD

#### TEROSON RB 6150 (body shop)

Density: 1.6 to 1.8 g/cm<sup>3</sup>  
(wet) and 1.45 to  
1.65 g/cm<sup>3</sup> (cured)

Acoustic TBD  
Performance:

Expansion: 5 to 15%

#### TEROSON RB 8275 (paint shop)

Density: 1.1 to 1.3 g/cm<sup>3</sup>  
(wet) and 1.0 to  
1.2 g/cm<sup>3</sup> (cured)

Acoustic apx. 0.2 at 20  
Performance: degrees C

## APAC:

### Water-based LASD (paint shop)

#### TEROSON AL 7173N

Density: 1.45 to 1.55 g/cm<sup>3</sup>  
(wet) and 0.7 - 0.9  
g/cm<sup>3</sup> (cured)

Acoustic > or equal 0.25 at  
Performance: 20 degrees C

Expansion: > or equal 40%

#### TEROSON AL 7165

Density: 1.45 to 1.55 g/cm<sup>3</sup>  
(wet) and 0.9 to 1.1  
g/cm<sup>3</sup> (cured)

Acoustic apx. 0.2 at 35  
Performance: degrees C

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Or contact us directly at:

[aaoglobalmarketing@henkel.com](mailto:aaoglobalmarketing@henkel.com)

