TEROSON®



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.

Henkel

TEROSON®



NA:

Water-based LASD (paint shop)

TEROSON AL 7165

Density:	1.45 to 1.55 g/cm³ (wet) and 0.9 to 1.1 g/cm³ (cured)
Acoustic Performance:	apx. 0.2 at 35 degrees C



EU:

Water-based LASD (paint shop)

TEROSON AL 7151

Density:	1.45 to 1.55 g/cm³ (wet)/0.8 to 1.0 g/cm³ (cured)
Acoustic Performance:	> or equal to 0.2 at 10 degrees C
Expansion:	30 to 50%

TEROSON AL 7154

Density:	1.45 to 1.55 g/cm³ (wet)/0.8 to 1.0 g/cm³ (cured)
Acoustic Performance:	apx. 0.25 at 20 degrees C
Expansion:	30 to 50%

TEROSON AL 7165

Density:	1.45 to 1.55 g/cm³ (wet) and 0.9 to 1.1 g/cm³ (cured)
Acoustic Performance:	apx. 0.2 at 35 degrees C

Rubber-based LASD

TEROSON RB 6150 (body shop)

Density:	1.6 to 1.8 g/cm³ (wet) and 1.45 to 1.65 g/cm³ (cured)
Acoustic Performance:	TBD
Expansion:	5 to 15%

TEROSON RB 8275 (paint shop)

Density:	1.1 to 1.3 g/cm³ (wet) and 1.0 to 1.2 g/cm³ (cured)
Acoustic Performance:	apx. 0.2 at 20 degrees C

APAC:

Water-based LASD (paint shop)

TEROSON AL 7173N

Density:	1.45 to 1.55 g/cm³ (wet) and 0.7 - 0.9 g/cm³ (cured)
Acoustic Performance:	> or equal 0.25 at 20 degrees C
Expansion:	> or equal 40%

TEROSON AL 7165

Density:	1.45 to 1.55 g/cm3 (wet) and 0.9 to 1.1 g/cm3 (cured)
Acoustic Performance:	apx. 0.2 at 35 degrees C

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