





Technical Data Sheet  
**GRAVIT 692**  
Sound deadening material  
Waterborne resin-based product

**USE:**

- Means of transport
- Machines and equipment

**PROPERTIES**

- High yield
- Highly elastic
- Good sound-proofing performance
  - Asphalt and bitumen free
  - Flame resistant
- Possibility of the application up to 6000 µm wet in a single layer
- Certificate of Conformity from the Rail Vehicles Institute “TABOR”

SUBSTRATES					
Old coatings	Degrease and mat.				
Epoxy primers	The compound application times depend on the primer specifications.				
APPLICATION					
 CAUTION: Follow the equipment manufacturer's guidelines		Feeding	Material pressure	Air jacket	Nozzle
	Flat rotating nozzle gun spraying	Piston pump	120-150 bar	1.5 - 2 bar	6 mm
	Airless spray application with flat nozzle, 20-30 deg.	-	150-200 bar	-	> 0.35"
	Number of layers	2 - 3			
	Single dry layer thickness	approx. 1000 µm			
	The yield of the ready to use mixture for the given range of the dry layer thickness	approx. 0.5 m <sup>2</sup> /l 2.0 l/ m <sup>2</sup> at 1000 µm			
	The actual yield depends on the surface shape, roughness and application parameters.				
	Flash-off time between layers	10-15 min			
DRYING TIME					
	For the max. dry coating thickness of 1000 µm.		10°C	20°C	
		Dust-free	9 hours	3 hours	
		Tack-free	36 hours	12 hours	
		Operating hardness	72 hours	24 hours	
The drying time will be longer at lower temperatures and/or higher humidity. The thicker the layer, the longer the drying time.					
TECHNICAL DATA					
Product	Solids' content by weight	Solids' content by volume	Density	Fineness of grind	
GRAVIT 692	≈ 71 %	≈ 53 %	≈ 1.38 g/cm <sup>3</sup>	< 25 µm	
Apply the layer at 1.0-2.5 mm thickness as required (on steel and stainless steel sheets) to achieve effective sound-proofing. Apply in two layers if the coat needs to be thicker.					
The product is resistant to moisture by temporary immersion in water (slight softening and discolouration are unavoidable after drying). If the substrate is completely coated, leave holes for easy water drainage and drying. The product does not require any topcoats.					

Non-flammable	Meets PN-EN 45545-2:2013+A1:2015 R1 and R7 requirements at hazard levels HL1, HL2.	
Loss factor, ref. PN-EN ISO 6721-3 $\delta_f$	<p>Average of 6 results of vibration damping coefficient of GRAVIT 692 is 0,014.  This result for GRAVIT 692 meets measuring range of standard equals from 0,01 to 0,1.  GRAVIT 692 with 2mm thickness applied on steel substrate (3mm thickness) allows the damping of vibration by about 15 dB.  Temperature: 21°C,  Frequency: ~190 Hz</p>	
<b>VOC CONTENT</b>		
Actual VOC content*	41 g/l	
* VOC of the ready-to-apply mixture according to Directive 2004/42/CE for industrial plants.		
<b>COLOUR MATCHING</b>		
Not recommended.		
<b>APPLICATION CONDITIONS</b>		
The coated surface must be dry. The coating temperature, the coated surface and the ambient temperature must be between +10°C and +35°C; the relative humidity must not exceed 70% (the recommended relative air humidity is 40-60%). The coated surface temperature must exceed the dew point by at least 3°C. Provide proper ventilation to all coated surfaces during application and drying for the coating to cure properly. The recommended ventilation rate should be 50 m <sup>3</sup> /l of the coat to thoroughly remove the water evaporating from the coating during application and drying.		
<b>TEMPERATURE RESISTANCE</b>		
The operating temperature of the applied primer is between -60°C and +80°C. Transient temperatures up to +120°C maximum are permitted.		
<b>COLOUR</b>		
Dark grey.		
<b>EQUIPMENT CLEANING</b>		
Water or NC solvent.		
<b>STORAGE CONDITIONS</b>		
Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +35°C. Protect from freezing.		
<b>SHELF LIFE</b>		
GRAVIT 692	12 months/20°C	
<b>SAFETY</b>		
See the Safety Data Sheet.		

## OTHER INFORMATION

Registration number: 000024104.

The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to perform a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.