

DINITROL 957 IQ

Sound reduction in perfection

DINITROL 957 IQ is a waterborne sound damping product based on acrylics and is having very high sound reduction properties.

» Sound reduction of ...

» Trains, busses and recreational vehicles

» Engine supports, e.g. for diesel engines

» Motor rooms in shipbuilding

» Air ventilation systems

» Containers (e.g. garbage, glass containers)



Equipment

Spatula, brush or specific spray equipment

DINITROL 957 IQ

Art. No.	Size	Package	Color
16022	35 kg	Pail	Black
16021	250 kg	Drum	Black

DINITROL 957 IQ

Technical Details

Product description

DINITROL 957 IQ is a sprayable, water-based sound damping compound.

Applications

Mainly for use in applications where thin-walled (metal) sheets in e.g. trains, busses, cars, machine equipment, etc. need to be damped, so that vibration noise will be (significantly) reduced, and where flame retardant properties are desired.

Method of use

DINITROL 957 IQ can be applied to small areas with a spatula. For larger areas secondary air spraying equipment should be used. In general all types of equipment with a theoretical transmission of 5:1 up

to 12:1 are suitable, using a 3/5" hose up to 10 m in length and a spray gun with a 2–4 mm nozzle. The best compound intake pressure is 3–4 bar and 4–5 bar for the secondary air.

Alternatively, airless spraying equipment can be used, in which case we recommend a scoop piston pump with theoretical transmission of 55:1 and an airless spray gun with an adjustable nozzle. In this case the best pump intake pressure is 3–4 bar. Recommended application and product temperature is 15–30°C.

Stir before use!

Pre-treatment Substrates

Surface shall be clean, dry, free from corrosion and primed or painted.

Over-Coating

DINITROL 957 IQ is not intended to be over-coated. For additional information, please consult DINOL GmbH.

Adhesion

The surfaces to be treated must be cleaned and free of grease. Un-galvanized steel sheet and raw aluminium sheet must be protected against corrosion as DINITROL 957 IQ is not a corrosion protective coating. DINITROL 957 IQ can be applied in thick layers up to ca. 5 mm without sagging

Storage

The product should be stored at temperatures between +10°C and +30°C. Stored in a cool and dry place, the product has a shelf life of at least years in the unopened original packaging.

Safety precautions

Additional information can be found in the safety data sheet.

Transportation

Additional information can be found in the safety data sheet.

Technical Data

Base	Water-based plastic dispersion, synthetic resins, filler materials
Colour (standard)	black
Consistency	sprayable, can be applied with a spatula
Curing/setting method	Emission of water
pH-value (20°C)	approx. 8
Specific Density (20°C), DIN 5157	approx. 1.30 kg/l
Cleaning with	Water (fresh), mechanical, solvent (curing)
Solid content (DIN 53216) (3 hours at 120°C)	approx. 79%
Dry to touch (20°C, 50% R.H.)	approx. 270 min.
Drying time (20°C, 50% R.H.)	for thickness of 4 mm wet approx. 20 hours
Acoustic properties	depending on the thickness applied, „Oberst“ loss factor acc. to DIN EN ISO 6721-3; approx. 0.14 at 3 mm thickness
Usage	depending on desired sound damping effect, 2 – 5 kg/m ²
Temperature resistance (cured)	+ 120°C
Resistant (20°C), cured	water, aliphatic solvent, oils
Adhesion	on various metal surfaces
Available in	35 kg Pail / 250 kg Drum

For all relevant safety advices please read the material safety data sheet or the packaging label.