

WALLSHIELD COATING 3824

Shielded carbon paint for use in and outside



The 3824 wallshield coating is based on a high quality pure acrylate binder. The paint is odorless, low-emission, solvent free, breathable and frost resistant for shipping in winter.

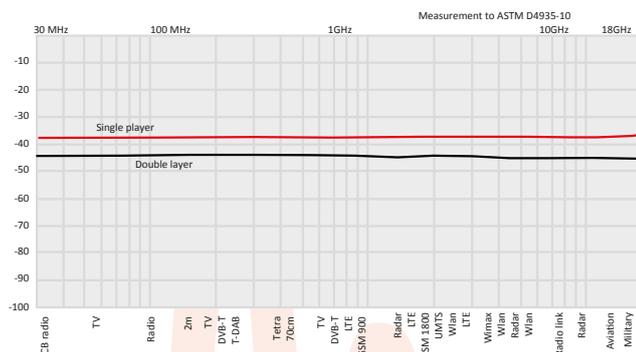
With this paint you can easily shield your walls against the high frequency fields of transmitter masts and / or the DECT telephone and wireless internet of your neighbors.

3824 can usually be painted over within 24 hours. The paint must be applied undiluted with a brush or roller (thin coat).

SURFACE

Interior and exterior has an excellent adhesion on almost all surfaces such as old layers of paint, plasterboard, wallpaper, stucco, concrete, foam, wood, glass, plastic surfaces etc.

SHIELDING PERFORMANCE



BENEFITS

- HF-Shielding paint with high attenuation value
- For on walls, ceiling, floor
- Very thin and easy to apply
- Consumption:
 - Indoor up to 7.5 m² per liter on a non-absorbent surface
 - Outside: up to 5m²
- Paintable or wallpaperable
- For indoor and outdoor use
- Contains no metals, solvents or preservatives
- Can be applied in any direction
- Can also be used for low-frequency fields through good grounding

APPLICATION

- Wall exterior
- Ceiling
- Wall interior
- Floor

PROPERTIES

Based on a new multi-phase pure acrylate binder. Breathable, free of solvents, plasticizers and emissions. For shielding high frequency electromagnetic fields and low frequency electric alternating fields.

- As a 0-VOC paint emission-free and almost odorless
- Moisture resistance
- Adhesive strength / impact resistance
- Extremely versatile for indoor and outdoor use
- Without metals, therefore corrosion resistant
- High decline with single-layer processing

» SHIELDED CARBON PAINT FOR USE IN AND OUTSIDE

TECHNICAL DETAILS

Screening one-layer	37 dB (99.980 %)
Screening two-layer	44 dB (99.996 %)
Ecology	Normal
VOC content	0.2 g/l
PAH content	0.002 mg/kg
Binding agent	Pure acrylate
Solvent	Water
Screening basis	Carbon
Application area	Interior, exterior
Coverage one-layer	5- 7.5 m ² /l
Moisture resistance	High
Substrates	Almost all
Applicable with	Paint roller, airless (nozzle>525)
Spatter behavior	Very low
Adhesive tensile strength	2.3 N/mm ²
Viscosity (Brookfield)	2000 mPas
Rheology	Newtonian
Film character	Elastic soft
Color	Black
Temperature max.	100 °C
Sd-value	0.1 m
pH-value	8
Pigmentation size max.	100 µm
Density	1.25 kg / l
Solids content	56 %
MFFT	5 °C
Frost resistance***	5 frost-/thaw cycles
Delivery sizes	1 L
Shelf life	12 months after delivery

* Volatile organic compounds. The EU limit value for cat. A/a is 30 g/l (by 2010).

** Polycyclic aromatic hydrocarbons. The nonbinding EU limit value for children toys is 0.2 mg/kg.

*** The given frost resistance is valid liquid in the container, of course on the wall its permanent frost-resistant.

COATING

Preferably covered with plastic bonded, water-based emulsion paints, dispersion silicate paints, facade paints or silicon resin paints. Not applicable are pure mineral paints (clay, loam, chalk, silicate). Due to the high adhesive tensile strength (to ETAG 004 for EIFS-systems, minimum 0.08 N/mm²), applicable directly under pure organic plaster, no mineral pasters!

INGREDIENTS

Pure acylic dispersion, graphite, water, carbon black, additives, preservative (MIT, BIT)

ORDER EXAMPLE

Series

3824