

ISONEM® ANTI RADIATION PAINT



ANTI RADIATION PAINT

ISONEM ANTIRADIATION PAINT is a kind of paint that has a feature of showing shield speciality against electromagnetic radiation in low and high frequency and isolating radiation by absorbing electromagnetic field in the environment. There is no heavy metals or chemicals that threaten human health within its content.

USAGE AREAS

It can be used for the prevention of electromagnetic radiations negative effects that comes from GSM base stations, TV and radio transmitters, radar, radio, wireless networks and housing areas, interior and exterior; in critical areas such as hospitals, military facilities and nuclear power plants; besides electrical devices that are being used in daily life such as (TV, radio, refrigerator, iron, microwave, washing machine, dishwasher, phones and etc. and isolation of electromagnetic radiations comes from special life areas..

Magnetic Field Effects on Humans in Short Term

Stress,
Narrowing of the field of view,
The risk of deterioration of cardiac pacemakers,
Ringing in the ears,
Feeling of tiredness,
Concentration corruption,
Headaches,
Temporary disruptions in hearing,
Dizziness,

Magnetic Field Effects on Humans in Long Term

The death of brain cells and brain tumor risk,
White blood cells (lymphoma) cancer,
Damage to blood-brain barrier,
Heart disease,
Memory impairment,
Permanent hearing impairment,
The damage to the embryonic development,
Increased risk of miscarriage,
Degradation of blood cells.

TECHNICAL SPECIFICATIONS

Color : Black Density : 1,3(±0,1) pH : 7-10

AS PER THE RESULTS OF MEASUREMENTS MADE IN ELECTRICAL AND ELECTRONICAL

ENGINEERING DEPARTMENT OF DOKUZ EYLÜL UNIVERSITY;

Shielding property was observed in GSM 900 MHz frequency band up to 30 dB (1000 times the power weakening, 99.9%). The average values of the respective samples of commonly used shielding special-purpose communication frequency domains are given in the table.

Decibel and the percentage weakening results

	810-915 MHz GSM 900	1785-1805 MHz GSM 1800	2110-2200 MHz 3G	2400-2500 MHz WIFI-BT
Decibel of Shielding	30dB	24dB	22dB	19dB
Percentage of Shielding	%99,9	%99,6	%99,2	%98,7

ELECTRIC FIELD INTENSITIES CAUSED BY HOUSE HOLD: Electric Blanket: 250 V/m Microwave Oven: 250 V/m Water Heater 130 V/m Notebook (Wireless When Wireless is On/Connected): 100 V/m Music Stereo: 90 V/m Back of The Monitor (tüplü): 80 V/m Fridge: 60 V/m Iron: 60 V/m Mixer: 50 V/m Toaster: 40 V/m Hair Dryer: 40 V/m Television: 30 V/m Coffee Machine: 30 V/m Front Of Computer Monitor (Wiht Tupe) (tüplü): 25 V/m Vacuum Cleaner: 16 V/m Wireless modem: 5-10 V/m Base Station: 10 V/m

ISONEM ANTIRADIATION PAINT is being used in the areas that shielding is required and shielding need is needed as sub painting in various amounts. Although there is no difference between measurement made with or without grounding, usage with grounding is suggested if applicable.

APPLICATION

Surfaces that application will be made, should be removed from any kind of grease, dirt and rust. ISONEM ANTIRADIATION PAINT ready to implement, should be applied as one or two layers as per desired electromagnetic radiation shielding activity, including the interior wall and ceilings. Except ground of the application, the entire inner surface of the wall should be implemented without spaces. Application is being made with a brush. After the first layer dries, top of the grounding equipment is being inserted to grounded plug and silver wire part of apparatus is being pasted on paint with acrylic putty or plaster and etc. After putty dries another layer of ISONEM Antiradiation Paint is being applied on it. After the late layer dries, painting can be made or it can be covered with wallpaper and etc. This application does not make any weakening effects of the features of ISONEM ANTIRADIATION PAINT.

Packing : 5, 10, 18 kg plastic bucket.

Waste : 650 g/m²

Storage : Original, in unopened package, in cool and dry environment for 12 months.



İş bu teknik föyde verilen bilgiler, sahip olduğumuz en sağlıklı bilgi, deney sonuçları ve tecrübelerimiz doğrultusunda hazırlanmış olup, uzun seneler süren bir bilgi birikiminin ürünüdür. Ürünlerimizin doğru ve başarılı bir şekilde uygulanması ise tamamı ile kontrolümüz ve sorumluluğumuz dışındadır. İş bu sebepten dolayı sorumluluğumuz sadece ürünümüzün kalitesiyle sınırlıdır ve föy bundan önceki tüm teknik föyleri, açıklamaları ve etiket bilgilerini geçersiz kılar.

“Ürünlerimiz Biyosidal Ürünler Yönetmeliği Kapsamında Değildir.”