VIVEK EARTHING PVT. LTD. Expert Advice & Reliable Solutions.



Copper Bonded Rod Dat Product Description:

Product Name: Copper Bonded THING PUT LTD. I Copper Coating Thickness: 250 microns

Sizes: EK EK F. R Diameter: 17.2 mm, Length: 1 meter MUEKE

Diameter: 17.2 mm, **Length:** 2 meters

• Diameter: 17.2 mm, Length: 3 meters

echnical Specifications: EK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD.

ek earth Property d. Vivek	PUT. LTD. VIVEK EARTHING PUT. LTD. VIVEK EARTHING PUT EARTHING PVT. LTD. VIVEK Value ing pvt. LTD. VIVEK EART		
RTHING PI Material ek earth G PVI. LID. VIVER EARTHING	High tensile low carbon steel core, electrolytic grade copper coating		
Copper Purity	VIVEK EARTHING PVT. $i \geq 99.9\%$ k earthing pvt. $i to v$		
Copper Coating Thickness	PVT. LTD. VIVEK EARTI 250 microns VIVEK EARTHING PVI EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EART		
Resistance To Corrosion	NVER EARTHING PVT. LTD. VIVER EARTHING PVT. LTD. VI ING PVT. LTD. VIVER EARTHING PVT. LTD. VIVER EARTHING P		
Adherence of Copper To Steel	WT. LTD. VIVER EARTHING WT. LTD. VIVER EARTHING PVT EARTHING PVT. LTD. VIVER EARTHING PVT. LTD. VIVER EART VIVER EARTHING PVT. LTD. VIVER EARTHING PVT. LTD. VI		

Mechanical Properties: TVEK EARTHING PVT. LTD. VIVEK EARTHING PV G PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD.

• **Breaking Load:** High, suitable for driving into the ground.

Impact Strength: Sufficient for withstand mechanical hammering

without deformation.

ctrical Properties: T. LTD. VIVEK EARTHI • **Conductivity:** Excellent due to the pure copper coating.

Resistance: Low, ensuring efficient grounding.
 Standards Compliance:

 Compliance: IS Standards (IS 3043 for earthing), ANSI/IEEE, UL467, BS EN 50164-2, and other relevant international standards.

 Features and Benefits:

 Corrosion Resistance: The thick copper coating ensures excellent

Corrosion Resistance: The thick copper coating ensures excernent resistance to corrosion, providing long-term reliability and performance.
High Conductivity: Ensures efficient grounding and dissipation of fault currents.

Durability: Robust construction withstands harsh environmental conditions and mechanical stress.
Easy Installation: Can be driven into the ground easily due to its mechanical properties.

Applications:

Residential Earthing:

• Used in homes to provide effective earthing, ensuring safety against electrical faults and lightning.

• Commercial and Industrial Buildings:

Installed in factories, offices, and other commercial setups to establish a reliable grounding system.

Protects sensitive equipment from voltage surges and electromagnetic interference.

• Telecommunications Towers:

Provides earthing for telecom masts to protect against lightning strikes and electrical surges.

Electrical Substations:

• Utilized in substations to establish a low-resistance path for fault currents, improving the safety and reliability of electrical systems.

VT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EA ARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. TD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. TD. VIVEK EARTHING IVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. TD. VIVEK EARTHING VT. LTD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK FARTHING ARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK FARTHING TD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK TD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVEK TD. VIVEK EARTHING PVT. LTD. VIVEK EARTHING PVT. LTD. VIVE Renewable Energy Installations:

Used in solar farms and wind turbines to ensure proper grounding and system protection.

• Lightning Protection Systems:

Acts as a key component of lightning protection systems, helping to safely dissipate the energy of lightning strikes into the ground.

EAInstallation Instructions

Site Selection: Choose a location with minimal risk of physical damage and accessible for maintenance.

Driving the Rod: Dig a hole with a diameter of three inches and a depth equal to the height of the copper-bonded rod.

• **Connection:** Securely connect the grounding conductor to the rod using suitable clamps or connectors.

ING PVT. 10ther Size: TH

Size	Diameter (mm)	Length (m)
Rod A	ARTHING PV120 D. VIVEK E	IRTHING PUT. LTD. VI
Rod B	TVEK EARTH 20 G PVT. LTD.	VIVEK EAR 2 HING PV I
Rod C	ARTHING PV12010. VIVEKE	IRTHING PV ³ F. LTD. VI
Rod A	ID. VIVEKE 25 HING PVT. LT	D. VIVEKEARTHING
Rod B	PVT. LTD. VI25 K EARTHING I	VT. LTD. $V2$ /EK EAR
Rod C	ARTHING PV125FD. VIVEK E	ARTHING PLAT. LTD. VI

Vivek Earthing Pvt. Ltd. An ISO 9001 – 2015 Certified Company

This datasheet provides detailed information about the **Copper Bonded Rods** in various sizes, ensuring all relevant technical and application-specific details are covered for users and installers.

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