

Description

DantoCon Thermal R06S is a thermally conductive material, which provides accurate temperature control of high voltage electrical cables placed in pipes.

The material is delivered as a ready to mix dry powder, sulfate resistant, and only needs to be mixed with freshwater before use.

Two weeks after injection it reaches a permanent firm consistency, which allows the cable to be removed at any time if needed.

Specifications

Typical product values after mixing with the specified amount of water (freshwater with pH 7).

Description	
Concentration (% water)	43
Resistivity after 1 Week (mK/W) ASTM-D5334-14	0.63
Conductivity after 1 Week (W/mK) ASTM-D5334-14	1.59
Density of the ready mix (kg/l) Tolerance: (1.54 – 1.58)	1.55
Water residue after 24hrs. (%)	< 1

Values depend on water quality and mixing procedure

Measured values in the mixed condition	
Resistivity (mK/W) ASTM.D5334-14	≤ 0.72
Conductivity (W/mK) ASTM.D5334-14	≥ 1.39

Recommended application

Use mixer systems which ensure a precise water/material mixing ratio.

Always mix the entire content of the big bag at one time.

Ensure that all material is completely and homogeneously mixed into suspension before initiating the pump process.

The mixing time to achieve the proper suspension density / viscosity is dependent from the mixer. The Marsh funnel time of the suspension is typically >60 seconds.

Mixing ratio per 1 m ³ ready mixture	
Water (l)	671
DantoCon Thermal R06S (kg)	889

Mixing ratio per 1,000 kg dry material	
Water (l)	750
DantoCon Thermal R06S (kg)	1,000

You are always welcome to contact us directly for a further elaboration of application and mixing process.

Packaging

40 x 25 kg sacks

2 x 500 kg big bags

1,000 kg big bag

Store dry until usage.



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