

## Description

DantoCon Thermal R05S 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 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)	38
Resistivity after 1 Week (mK/W) ASTM-D5334-14	0.47
Conductivity after 1 Week (W/mK) ASTM-D5334-14	2.13
Density of the ready mix (kg/l) Tolerance: (1.60 – 1.64)	1.62
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	≤ 0.60
Conductivity (W/mK) ASTM.D5334-14	≥ 1.67

## Recommended applications

Use mixer systems which ensure a precise water/material mixing ratio.  
Always mix the entire content of the 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 <sup>3</sup> ready mixture	
Water (l)	616
DantoCon Thermal R05S (kg)	1,004

Mixing ratio per 1,000 kg dry material	
Water (l)	600
DantoCon Thermal R05S (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 Bag  
1.000 kg Big Bag  
Store dry until use.



All information contained herein is believed to be accurate and supplied solely for informational purposes. Dantonit makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information. Because the conditions of use of these products are beyond Dantonit's control, the products are sold upon condition that purchaser makes its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product.