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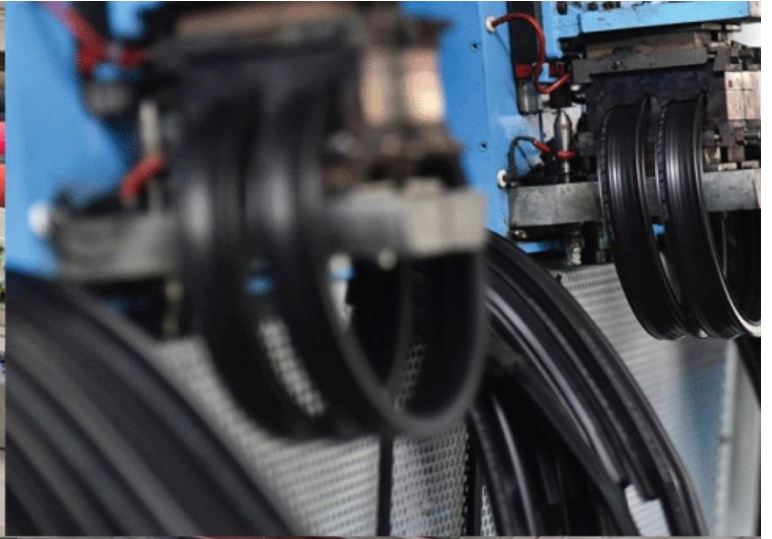
A.M.P.E.R.E (EUROPE)

In Association With



ELECTRO MAGNETIC innovative technologies

Kerone Research & Development Centre (KRDC)  
B/47, Addl. MIDC. Anand Nagar, Ambernath (East), Thane- 421 506, India  
Tel- +91-251-2620542/43/44/45/46, Email-info@kerone.com, www.kerone.com



**Boiling Water Test of treated sand**



ISO 9001-2008 | ISO 9001-2015 | EMS 14001 | OHSAS 18001  
In Association with SVCH-Technologii, Moscow (Russia)



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Customer :	M/s. SIDEC NV, BELGIUM
Process :	Boiling Water Test of treated sand

**TEST REPORT No: 47/KRDC/LAB/17 Mum 26/11/2020**

Date Sample reception : 26/11/2020  
ID : 47/LAB/181

**SAMPLE DESCRIPTION:**

Sampling : As Requested  
Sample Condition : Acceptable  
Quantity : 20 kg  
Sampling date : 18/01/2021  
Product : Coloured sand  
Requirement : Treated coloured sand should not release its colour in boiling water test  
Start Date test : 18/01/2021  
End Date test : 18/01/2021

**CONTINUOUS INFRARED HEATING SYSTEM:**



**Format: F/R&D/01**



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### INFRARED HEATING SYSTEM SPECIFICATIONS:

Overall IR Heating Zone length	10500 mm
Belt width	1500 mm
Total Heating Power	450kW

### EQUIPMENTS USED:

Name of Equipment	Picture of Equipment	Specifications
Compact Thermal Imaging Camera		Model: FLIR E-60 Resolution: 320*230 IR Thermal sensitivity of 0.05°C
Digital Contact Thermometer		Model No: TM-902C Temperature range: -50-750°C Temperature accuracy: ±1°C

### SAMPLE PREPARATION AND METHOD/PROCEDURE:

The experiment has been performed on given sample of coloured sand to speed up the drying rate. For this experimental run, coloured sand has been placed under infrared heating system with uniform layer for a time period till it reaches temperature of 450°C. Treated samples are collected from left, right and center part of the belt at exit for boiling water testing trial. Then the treated sand is boiled with water as per instructions given (1000 ml water and 60 gm treated sand) and colour of water has been checked in transparent container.

#### Format: F/R&D/01



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### ANALYTICAL RESULTS:

Quantity of sand: 60 grams

Quantity of water: 1000 ml

Duration of Boiling Test: 5 hours

### PICTURES DURING WATER TEST OF TREATED SAND:



After 5 hrs of Boiling Test

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## OBSERVATIONS:

The boiling water test has been completed under the required conditions for 5 hours. It has been found that sand releases very little colour during the boiling water test of treated sand as shown in picture.

A handwritten signature in blue ink that reads "K Komal".

Miss Komal Bhoite  
Tested By

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