



## 30-60

## Thermfas® heat transfer cement

### Colour

Grey

### Application Consistency (ASTM E24)

Trowel, rubber glove, or pressure extrusion

### Average Weight (DIN 51757)

1.65 kg/l

### Average Non-Volatile (DIN 53216)

71.5%

### Coverage Range (FSTM 71)

<i>Outside diameter tracer</i>	<i>Coverage</i>
9.5 mm	approx. 0.25 ltr/m <sup>1</sup>
12.7 mm	approx. 0.35 ltr/m <sup>1</sup>
19.0 mm	approx. 0.75 ltr/m <sup>1</sup>
25.4 mm	approx. 1.00 ltr/m <sup>1</sup>

### Drying Time (ASTM C461)

Touch : 2 hours

Through : See application guide

### Thermal Conductivity

15 W/mK

### Compressive Strength (ASTM D695)

1300 psi

### Tensile Strength (ASTM D638)

255 psi

### Linear Shrinkage

1% (on metal surfaces)

### Service Temperature Limits (FSTM 70)

(Temperature at coated surface)

-73°C to 315°C continuous

-73°C to 400°C intermittent

### Wet Flammability (ASTM D1310)

Non-flammable

### Dry Combustibility (FSTM 44)

Incombustible

**Foster Thermfas® Heat Transfer Cement 30-60** is a water-base inorganic cement designed to improve the efficiency of conventional steam traced or electrical resistance heating systems.

The high thermal conductivity properties of 30-60 compare favourably with the full jacketed systems and enable a saving of 75 to 80% on installation costs. 30-60 works equally well in heating or cooling installations.

### Limitations

Store between 5°C and 32°C.

Apply between 5°C and 38°C.

Do not apply over aluminium.

Use within six months for best application properties.

Protect 30-60 from rain until insulation is installed.

® Registered Trademark

**FSTM:** Foster Standard Test Method



**APPLICATION GUIDE FOSTER THERMFAS® HEAT TRANSFER CEMENT 30-60**

**Caution:** May cause skin irritation. Avoid contact with skin or eyes. In case of contact, flush skin or eyes with water for at least 15 minutes. For eyes, get medical attention.

**Application**

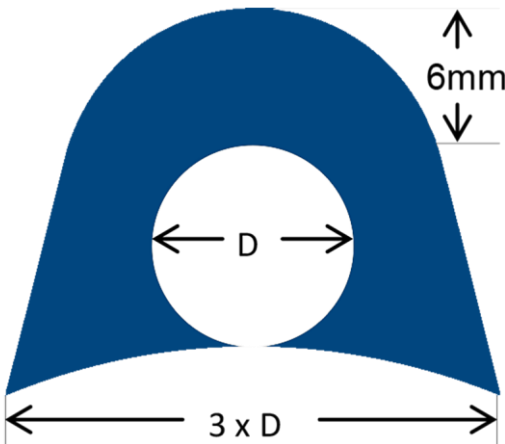
To ensure good bond to bare metal, surface should be clean, dry and free of rust, scale, oil or mill varnish prior to attaching the tracer and applying 30-60. A portable sandblaster or a grinding wheel can be used for cleaning metal surface. Apply 30-60 by glove, pointed trowel, or pressure extrusion equipment, being careful to force 30-60 into the crevice between tracer and pipeline. 30-60 should cover the tracer by at least 6 mm. The contact area of 30-60 on the pipe or vessel should be three times the width of the tracer.

**Drying Time**

30-60 must be thoroughly dry before process equipment can be used at design operating temperatures. Total drying time is approximately 48 hours depending on ambient circumstances. Dry time can be accelerated by air drying 4 hours, followed by heating up Foster 30-60 for 24 hours (to maintain 30-60 at 82°C to 93°C).

**Clean-Up**

Use clean fresh water to clean tools and equipment before 30-60 dries.



**For industrial use only.**

This data sheet is based on specifications, data and test results available to us at the time of publication. In the course of time changes herein may (have) take(n) place. The above tests were carried out in accordance with the above mentioned internal test standards and are indicative. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages; our only obligation being to resupply ex our stores any material that is proved to be defective within the published\* shelf life.

\* If not applicable, within 6 months from date of supply.