



TEMP-COAT® Brand Products, LLC



“Engineering Tomorrows Marine Environment”

TEMP-COAT® Brand Products

Marine Installation Guide



Member of
American Society Naval Engineers

U.S. Coast Guard Approved

U.S. Department
Of Transportation

United States
Coast Guard



Energy Star Approved



Certified



Thank you for your interest in TEMP-COAT Brand Products
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Temp-Coat® is an innovative product by most standards. Should you have any questions about the preparation, application, use or installation, please contact your distributor or TEMP-COAT® Brand Products at www.TEMPCOAT.COM or 1-800-950-9958, THANK YOU for using TEMP-COAT®.

TEMP-COAT® is not a paint.

TEMP-COAT® IS A HIGH QUALITY INSULATION THAT IS IMPERVIOUS TO WATER AND OFFERES MANY BENEFITS OVER CONVENTIONAL MASS INSULATIONS.

Per square foot dry weight of TEMP-COAT® in 10 mil (10/1000 inch) thick increments

10 mils	9.072	grams	
20	18.144		
30	27.216		
40	36.288		1.28 ounces
50	45.36		1.6
60	54.432		1.92
70	63.504		2.24
80	72.576		2.56
90	81.648		2.88
100	90.72		3.2

Desired Mil Thickness	Sq.Ft. per Gallon
300 (300/1000)	3.0
250 (250/1000)	3.6
240 (240/1000)	3.75
200 (200/1000)	4.25
180 (180/1000)	5.0
160 (160/1000)	5.5
140 (140/1000)	6.5
120 (120/1000)	7.5
100 (100/1000)	8.5
80 (80/1000)	12.0
60 (60/1000)	15.0
40 (40/1000)	20.0
30 (30/1000)	30.0
20 (20/1000)	40.0
15 (15/1000)	60.0

Legend

* will disbond at temperatures over 350 ° F.

** temperatures greater than 350° F require the use of a mesh type membrane to assure the products adhesion in the face of extreme expansion and/or contraction.

◆◆ If you are uncertain as to what is meant by Flash, Completely or Thoroughly dry or have not gone through application and product training. Contact the manufacturer or your local distributor for assistance.

CHILLED WATER PIPING - Non-Ferrous

- Temperatures from 43° F to operating conditions of 100° F.
- Apply to a shut down, dry system piping only.
- Apply TEMP-COAT® directly to piping following washing, descaling and degreasing.
- TEMP-COAT® application must be completely dry before system is activated.
- TEMP-COAT® can be applied over primers if required by customer using customers qualified primer and at customers direction.
- Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. TEMP-COAT® should be applied in even thin coats, not to exceed 20 mils (20/1000 of an inch) allowing to flash between coats.



Thicker coats can be applied but longer drying must be allowed.

* The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

If condensation is the issue, as much as 250 mils (1/4 inch) may be required. Conditions such as flow rates, ventilation, humidity, barometric pressure and equipment functions within a space may require additional product.

Accelerate the job whenever possible by using heat lights or heat guns to speed drying times of the acrylic latex base.

In high humidity and damp spaces drying times can take as long as 24 hours per 20 mil (20/1000 of an inch) thickness applied. Thorough drying between coats is imperative to assure blockage of condensation on chilled surfaces. ♦♦

Thicker coats can be applied but longer drying must be allowed.

TEMP-COAT® adheres to cold and chilled piping eliminating the air space and therefore preventing damage by corrosion. If the protected area should continue to condensate for any reason then the condensation lies on the surface of *TEMP-COAT®* and not on the pipe surface additional applications of *TEMP-COAT®* should eliminate sweating.

Varying thicknesses are required under different circumstances. If a customer wishes to deviate from the recommended thickness, he may find the applied thickness inadequate and more product must be applied. The volume of *TEMP-COAT®* applied to stop condensation generally exceeds that which is required to insulate the pipe.

Apply over fiberglass grid in areas of heavy traffic or in areas subject to abuse or harsh conditions.

TEMP-COAT® may be tinted, using a latex tint, most light to medium colors for color identification.

CHILLED WATER PIPING - Ferrous Carbon Steel or Galvanized Safety First

- Temperatures from 43° F to operating conditions of 100° F.
- Apply to a shut down, dry system piping only.
- Apply *TEMP-COAT®* directly to piping following washing, descaling and degreasing.
- *TEMP-COAT®* application must be completely dry before system is activated.
- *TEMP-COAT®* can be applied over primers if required by customer using customers qualified primer and at customers direction. *TEMP-COAT®* applies well over all non- bleeding primers and surfaces that do not contain Silicon or Teflon.

Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space

and conditions. *TEMP-COAT*® should be applied in even thin coats, not to exceed 20 mils (20/1000 of an inch) allowing to flash between coats. ♦♦

Thicker coats can be applied but longer drying must be allowed.

* The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

If condensation is the issue, as much as 250 mils (1/4 inch) may be required. Conditions such as flow rates, ventilation, humidity, barometric pressure and equipment functions within a space may require additional product

Accelerate the job whenever possible by using heat lights or heat guns to speed drying times of the acrylic latex base. In high humidity and damp/wet spaces, drying times can take as long as 24 hours per 20 mil (20/1000 of an inch) thickness applied. Complete drying between coats is imperative to assure blockage of condensation on chilled surfaces. ♦♦

Thicker coats can be applied but longer drying must be allowed.

TEMP-COAT® adheres to cold and chilled piping eliminating the air space and therefore preventing damage by corrosion. If the protected area should continue to condensate for any reason then the condensation lies on the surface of *TEMP-COAT*® and not on the pipe surface additional applications of *TEMP-COAT*® should eliminate sweating.

Varying thicknesses are required under different circumstances. If a customer wishes to deviate from the recommended thickness, he may find the applied thickness inadequate and more product must be applied.

Apply over fiberglass grid in areas of heavy traffic or in areas subject to abuse or harsh conditions.

TEMP-COAT® may be tinted, using a latex tint, most light to medium colors for color identification.

See Application Charts (page 4 & 5 to compute volume requirements).

**Safety
First**

CHILLED WATER PIPE - Stainless Steel, Monel and Similar

TEMP-COAT® contains No Chlorides therefore is safe for use as a primer or an insulated coating on stainless steel.

- Apply to a shut down, dry system piping only.
- Apply *TEMP-COAT*® directly to piping following washing, descaling and

degreasing.

- *TEMP-COAT*® application must be completely dry before system is activated.
- *TEMP-COAT*® can be applied over primers if required by customer using customers qualified primer and at customers direction.
- Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. *TEMP-COAT*® should be applied in even thin coats, not to exceed 20 mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦

Thicker coats can be applied but longer drying must be allowed.

* The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

If condensation is the issue, as much as 250 mils (1/4 inch) may be required. Conditions such as flow rates, ventilation, humidity, barometric pressure and equipment functions within a space may require additional product.

In high humidity and damp spaces drying times can take as long as 24 hours per 20 mil (20/1000 of an inch) thickness applied. Thorough drying between coats is imperative to assure blockage of condensation on chilled surfaces. ♦♦

Thicker coats can be applied but longer drying must be allowed.

Accelerate the job whenever possible by using heat lights or heat guns to speed drying times of the acrylic latex base.

TEMP-COAT® adheres to cold and chilled piping eliminating the air space and therefore preventing damage by corrosion. If the protected area should continue to condensate for any reason then the condensation lies on the surface of *TEMP-COAT*® and not on the pipe surface additional applications of *TEMP-COAT*® should eliminate sweating.

Varying thicknesses are required under different circumstances. If a customer wishes to deviate from the recommended thickness, he may find the applied thickness inadequate and more product must be applied.

Apply over fiberglass grid in areas of heavy traffic or in areas subject to abuse or harsh conditions.

TEMP-COAT® may be tinted, using a latex tint, most light to medium colors for color identification.

See Application Charts (page 4 &5) to compute volume requirements

Safety First

STEAM AND HEAT (Pipes under 42" OD)

At temperatures up to 300° F *TEMP-COAT*® will adhere to the clean dry surface.

On galvanized and ferrous metal surfaces a primer may be required and that product choice should rest with the plant management, customer. **We do not offer recommendations for high heat primers.**

TEMP-COAT® is to be installed in accordance with instructions provided. The primer must be applied in accordance with instructions supplied by the manufacturer.

- Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. *TEMP-COAT*® should be applied in even thin coats, not to exceed 20 mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦
- On pipes that are heated, drying is almost instantaneous. Checking for dryness by touch to assure firmness is an adequate test to allow proceeding with a subsequent coat. If coats are applied too quickly, cracking can occur.
- To begin, mist or brush a very thin film of *TEMP-COAT*® (1 to 2 mils) on the clean, dry, scale free surface. This film should be extremely thin and act as an acrylic base for subsequent coats. This first coat, on a hot pipe will dry instantly.
- Apply the next coat to approximately a 5 (+\-) mil (5/1000 of an inch) thickness which will fairly well color the pipe. Again it will dry instantly.
- You now have a sufficient base to begin installation at a rate of 20 (+\-) mils (20(+\-)/1000 of an inch) at a time. Again, on hot pipes your work will dry instantly. On cold pipes, in well ventilated dry areas, several hours required between coats unless heat lamps or hot air is used to speed up the drying time.
- Repeat the process until the desired thickness is achieved. The installation instructions offers a suggested thickness table for average to worst conditions. Less product may be acceptable in well ventilated areas where maximum insulation is not required.

* The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

On surfaces that will reach temperatures exceeding 350° F, it is recommended that a fiberglass grid be placed before the final two coats. This 3/16" fiberglass mesh is available through TEMP-COAT® Brand Products or wherever stucco products are sold. A fiberglass grid performs several functions.

- Holds the product together in areas of high traffic or abuse.
- Assists in creating a leveling effect in areas where accuracy or appearance is extremely important.
- Keeps product on the pipe and functions even if the system experiences a high heat fluctuation which causes disbonding. The thermal capacity will perform extremely well in accordance with our commitment.
- *TEMP-COAT®* may be tinted, using a latex tint, most light to medium colors for color identification.
- See Application Charts (page 4 & 5) to compute volume requirements.
- Note: Dispose of all trash, waste & wash water in accordance with instructions .

IT IS IMPORTANT TO NOTE THAT ALL FIBERGLASS MUST BE COVERED COMPLETELY OR THE FIBERGLASS CLOTH WILL ABSORB MOISTURE.

TEMP-COAT® does not require jacketing.

PIPE - WHEN PIPE IS COLD OR SYSTEM IS DOWN

**Safety
First**

- Apply to a shut down, dry system piping following washing, descaling and degreasing.
- *TEMP-COAT®* application must be completely dry before system is activated.
- *TEMP-COAT®* can be applied over primers if required by customer using customers qualified primer and at customers direction. **We do not**

offer recommendations for high heat primers.

- *TEMP-COAT®* should be applied in even thin coats, not to exceed 20 (+\-) mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦(see pg 3)

Thicker coats can be applied but longer drying must be allowed.

Accelerate the job whenever possible by using heat lights or heat guns to speed drying times. Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions.

In high humidity and damp spaces drying times can take as long as 24 hours per 20 (+\-) mil (20/1000 of an inch) thickness applied. Varying thicknesses may be required. If a customer wishes to deviate from the recommended thickness, he may find the applied thickness inadequate and more product must be applied.

Apply over fiberglass grid in areas of heavy traffic or in areas subject to abuse or harsh conditions.

PIPE - WHEN PIPE IS HOT OR SYSTEM IS IN OPERATION

TEMP-COAT® will perform on temperatures to 350° F. Temperatures greater than 350° F require the use of a mesh type membrane to assure the products adhesion in the face of extreme expansion and/or contraction. *TEMP-COAT®* when applied at proper and recommended thicknesses will perform acceptability even after the inner layer turns medium brown and disbonds.

In High Temperature applications, surface temperature should be brought down to 350° F (+/-) or lower until a thickness of 60 (+\-) mils (60/1000 of an inch) or greater is achieved. On pipes that are heated, drying is almost instantaneous. Checking for movement and dryness by touch to assure firmness is an adequate test to proceed with a subsequent coat. If coats are applied too quickly, cracking can occur.

Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. *TEMP-COAT®* should be applied in even thin coats, not to exceed 20 (+\-) mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦

Galvanized and ferrous metal surfaces a primer may be required and that product choice should rest with the plant management, customer. **We do not offer recommendations for high heat primers.**

- To begin, mist or brush a very thin film of *TEMP-COAT®* on the clean, dry, scale free surface. This film should be extremely thin and act as an acrylic base for subsequent coats. This first coat, on a hot pipe will

dry instantly and on a cold dry pipe will cure in 10 to 15 minutes.

- Apply the next coat to approximately a 5 (+\-) mil (5/1000 of an inch) thickness which will fairly well color the pipe. Again it will dry instantly.
- You now have a sufficient base to begin installation at a rate of 15 (+\-) mils (15/1000 of an inch) at a time. Again, on hot pipes your work will dry instantly.
- Repeat the process until the desired thickness is achieved. The installation instructions offers a suggested thickness table for average to worst conditions. Less product may be acceptable in well ventilated areas where maximum insulation is not required.

Larger pipes expand and contract more when heated to 350° F + giving cause for *TEMP-COAT®* to crack or create a space between the inner surface of *TEMP-COAT®* and the pipe(s) or the insulated surface.

In order to protect insulation from cracking, several procedures may be used to keep insulation in place and functioning.

- Apply required thickness. When this is achieved and dry, create a sleeve or coat of woven Nomex or fiberglass saturated in *TEMP-COAT®* as a finished coat.
- Use fiberglass mesh in final coats and center coat creating a strong membrane within the product to support the insulating cast.
- Use chopped shredded fiberglass fibers in the *TEMP-COAT®* as a fiber binder to keep the product in place around the pipe or item to be insulated.

IT IS IMPORTANT TO NOTE THAT ALL FIBERGLASS MUST BE COVERED COMPLETELY OR THE FIBERGLASS CLOTH WILL ABSORB MOISTURE.

TEMP-COAT® may be tinted, using a latex tint, most light to medium colors for color identification.

* The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information on page 25)

See Application Chart Figure 1 (page 1) to compute volume requirements.

For Chill or Cold Piping see (Pg 25), (Pg 26), (Pg 27)

VALVES (If cold refer to cold pipe installation procedure)

The obvious advantage to using *TEMP-COAT®* on valves is that, as a liquid, it conforms readily to the shape of the object being coated.

TEMP-COAT® will perform on temperatures to 350° F. *TEMP-COAT®* when applied at proper and recommended thicknesses will perform acceptability even after the inner layer turns medium brown and disbonds.

In High Temperature applications, 350° F and above, surface temperature should be brought down to 350° F (+/-) or lower until a thickness of 60 (+/-) mils (60/1000 of an inch) or greater is achieved. Temperatures greater than 350° F require the use of a mesh type membrane to assure the products adhesion in the face of extreme expansion and/or contraction.

On valves that are heated, drying is almost instantaneous. Checking for movement and dryness by touch to assure firmness is an adequate test to allow proceeding with a subsequent coat. If coats are applied too quickly, cracking can occur.

Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. *TEMP-COAT®* should be applied in even thin coats, not to exceed 20 (+/-) mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦

Galvanized and ferrous metal surfaces a primer may be required and that product choice should rest with the plant management, customer. **We do not offer recommendations for high heat primers.**

- To begin, mist or brush a very thin film of *TEMP-COAT®* on the clean, dry, scale free surface. This film should be extremely thin and act as an acrylic base for subsequent coats. This first coat, on a hot valve will dry instantly and on a cold dry valve will cure in 10 to 15 minutes.
- Apply the next coat to approximately a 5 (+/-) mil (5/1000 of an inch) thickness which will fairly well color the pipe. Again it will dry instantly.
- You now have a sufficient base to begin installation at a rate of 20 (+/-) mils (20/1000 of an inch) at a time. Again, on hot valves your work will dry instantly.
- Repeat the process until the desired thickness is achieved. The installation instructions offers a suggested thickness table for average to worst conditions. Less product may be acceptable in well ventilated areas where maximum insulation is not required.

Larger valves expand and contract more when heated to 350° F + giving cause for *TEMP-COAT®* to crack or create a space between the inner surface of *TEMP-COAT®* and the valve or the insulated surface. Temperatures greater than 350° F

require the use of a mesh type membrane to assure the products adhesion in the face of extreme expansion and/or contraction.

In order to protect insulation from cracking, several procedures may be used to keep insulation in place and functioning.

- Apply required thickness. When dry, create a sleeve or coat of woven nomex or fiberglass saturated in TEMP-COAT® as a finished coat.
- Use fiberglass mesh in final coats and center coat creating a strong membrane within the product to support the insulating cast.
- Use chopped shredded fiberglass fibers in the TEMP-COAT® as a fiber binder to keep the product in place around the pipe or item to be insulated.

IT IS IMPORTANT TO NOTE THAT ALL FIBERGLASS MUST BE COVERED COMPLETELY OR THE FIBERGLASS CLOTH WILL ABSORB MOISTURE.

TEMP-COAT® may be tinted, using a latex tint, most light to medium colors for color identification.

- The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

**Safety
First**

CONDENSATION – GENERAL – For Surfaces Operating Between 43° F and 100° F.

All surfaces must be clean, dry and free of condensation prior to application of TEMP-COAT®.

Condensation is one of the most expensive problem facing industry today. We are not certain that we have all the answers and the factors which influence condensation create new challenges daily. As of the time of this writing we have resolved every known circumstance leading to chilled based condensation, meaning a supply of chilled air or water making contact through a metal sub-straight with warm air as the opposing force.

In some instances things that appear to be condensation may not be condensation at all but rather a source of moisture affecting a given space which is not properly insulated. Be certain in making a claim that you can repair a

problem, that you have first defined that problem.

Common formations of condensation which we work with constantly are condensation:

- Between Pipe and Conventional Insulation.
- On Metal Deck Floors with varying temperatures on either side of the floor.
- Freon and Oxygen lines.
- Chilled Water Lines, uninsulated.
- Air Conditioning Duct Work.
- Air Vents.

Condensation is a viscous source of Rot and Degradation to Metal. In Naval Vessels and in maritime situations, it breeds illness causing bacteria and harbors rats, roaches and other germ carrying pests. Condensation provides the atmosphere for a catastrophe and the conventional insulation creates the breeding ground for continuing and expanding the problem.

TEMP-COAT® Brand Products not only insulates differently, it also either completely stops condensation or at very least, move the moisture away from the condensating substrate surface and causes the moisture to form on the outer surface of the *TEMP-COAT*, preventing degradation.

DO NOT FIGURE A JOB TO STOP CONDENSATION UNLESS YOU ADVISE THE CLIENT IT MAY TAKE AS MUCH AS 250 MILS OR MORE (250/1000 INCH) TO RESOLVE THE PROBLEM. 250 mils is roughly a 1/4 inch thickness of product.

On air conditioning duct work we have found that we can do a better job with less product if we can reach into the duct and coat it from the inside. The caution here is that on elbows or on any turns where pressured cold air hits a flat surface and is diverted, must be treated with much more product to stop condensation.

Surface treatment for condensation requires working with heat or cold to stop the formation of moisture long enough to cause *TEMP-COAT®* to adhere to the surface and dry. Most often heat lamps can be used to dry the base coat and when that coat is dry, application of subsequent coats are much easier and faster. Less condensation, less drying time. ALL COATS MUST BE COMPLETELY DRY BEFORE THE NEXT COAT IS APPLIED. ♦♦

Thicker coats can be applied but longer drying must be allowed.

On Floors or Ceilings and large flat areas, most often a blanket on the opposing surface can adjust the temperatures and stop condensation long enough to apply *TEMP-COAT®*. The same is true for duct work, laying a blanket, cardboard, furniture pad or slab of *TEMP-COAT®* inside of the vent will direct the chilled air away from the surface to be treated and the process of application can begin.

Air conditioning vents can be treated by spraying or applying *TEMP-COAT®* to the back side of the vent regulator creating a barrier between cold and heat hence reducing or resolving the problem.

Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. *TEMP-COAT®* should be applied in even thin coats of 20 (+/-) mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦

Thicker coats can be applied but longer drying must be allowed.

Condensation problems are resolved on a trial and error basis. Be certain to allow your bid specification to reflect the need for change in order to beat this problem.

The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information on page 25).

Suggested Applications of Insulated Spaces		
A/C Side	Non A/C Side	Suggested Thickness
70 F	<100 F	40 – 50 mils
60 F	<100 F	50 – 60 mils
50 F	<100 F	60 – 70 mils

Note: Product should be applied thicker where vent outlets blow directly on the surface which is condensing.

All surfaces must be clean, dry and free of condensation prior to application of *TEMP-COAT®*.

**Safety
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BOILERS

TEMP-COAT® is a suitable insulation for boilers and other similar heat gathering and containment vessels.

TEMP-COAT® has been used widely in the *Tire Manufacturing Industry* on molds and in industries which use heat and steam presses. It's function here is to gather more heat, protect personnel and/or cause better operating conditions for production.

Test the surface to determine actual operating conditions prior to installation. Always consult a plant engineer to determine maximum operating temperatures to assure that *TEMP-COAT®* falls within the bounds of fulfilling operating requirements.

On pipes that are heated, drying is almost instantaneous. Checking for movement and dryness by touch to assure firmness is an adequate test to allow proceeding with a subsequent coat. If coats are applied too quickly, cracking can occur.

Choice of Quik-Gun* air assisted spray, airless spray or brush is a matter of space and conditions. *TEMP-COAT®* should be applied in even thin coats, not to exceed 20 (+\-) mils (20/1000 of an inch) allowing to dry thoroughly between coats. ♦♦

On galvanized and ferrous metal surfaces a primer may be required and that product choice should rest with the plant management, customer. We do not offer recommendations for high heat primers.

- To begin, mist or brush a very thin film of *TEMP-COAT®* on the clean, dry, scale free surface. This film should be extremely thin and act as an acrylic base for subsequent coats. This first coat, on a hot boiler will dry instantly and on a cold dry boiler will cure in 10 to 15 minutes.
- You now have a sufficient base to begin installation at a rate of 20 (+\-) mils at a time. Again, on hot boilers your work will dry instantly.
- Repeat the process until the desired thickness is achieved. The installation instructions offers a suggested thickness table for average to worst conditions. Less product may be acceptable in well ventilated areas where maximum insulation is not required.

On larger hot vessels in order to protect the insulation from cracking, several procedures may be used.

- Apply required thickness. When this is achieved and product is dry, create a sleeve or coat of woven Nomex or fiberglass saturated in *TEMP-COAT®* as a finished coat.

- Use fiberglass mesh in center coats and final coat creating a strong membrane within the product to support the insulating cast.
- Use chopped shredded fiberglass fibers in the TEMP-COAT® as a fiber binder to keep the product in place around the boiler or item to be insulated.

IT IS IMPORTANT TO NOTE THAT ALL FIBERGLASS MUST BE COVERED COMPLETELY OR THE FIBERGLASS CLOTH WILL ABSORB MOISTURE.

TEMP-COAT® does not require jacketing.

TEMP-COAT® may be tinted, using a latex tint, most light to medium colors for color identification.

- The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

**Safety
First**

PATCH AND REPAIR

One of the more beneficial qualities of TEMP-COAT® is in the ability to repair or replace a small section with a small can of product, a stir stick and a paint brush.

TEMP-COAT® Brand Products are created to be very clean and resilient. Repairs are made on *WARM, HOT, OR AMBIENT SURFACES* by cleaning the area to be repaired with a paint scraper, making all necessary repairs, prime and paint in accordance with industry requirements. Replace the TEMP-COAT® using a brush, imbedding fiberglass grid if required or as needed into the coating for strength and added protection. Clean tools and equipment with soap and water in an approved wash area.

ON CHILLED PIPES OR ON CONDENSATING SURFACES, level the temperature on the surface to be repaired to stop condensation or use heat source to keep TEMP-COAT® in place until completely dry. ♦♦ Each successive application must be completely dry before the next application. ♦♦ Build to the desired thickness then clean up with soap and water in an approved wash area.

Thicker coats can be applied but longer drying must be allowed.

It is a fairly simple matter to pre-fab repair sections by painting *TEMP-COAT®* onto a slick flat surface using fiberglass grid as a support binder. These slabs can be prefabricated to a desired thickness. These slabs can then be cut and used as a pipe wrap or a patch. Application is made by applying *TEMP-COAT®* to the surface requiring the insulation or patch then embedding the slab into the work area and allowing to dry at least 24 hours. This process works well when quick repairs are required and when working in tight spaces.

Note: Dispose of all trash, waste & wash water in accordance with facility instructions.

**Safety
First**

PERSONNEL PROTECTION

TEMP-COAT® offers an effective, low cost solution to personnel protection by allowing a surface to be coated on the pedestrian side where traffic exists within a facility.

If energy conservation is no an issue a 180° band can be applied to the dangerous face or hot piping, walls, boilers, shields and other apparatus to prevent injury to personnel in the area.

The surface to be coated, preparation above and beyond cleaning, tinting and thickness is to be determined by plant management.



SUPPLY

A

FRIENDLIER

ENVIRONMENT

TEMP-COAT®

YOUR PROBLEM AREAS

Here at Span-World *SAFETY* is extremely important. We know how painful an on-the-job injury can be for personnel and their families, not mention the cost involved.

In our years of working with *TEMP-COAT®*, our customers have reported

a world of uses for this product which are too numerous too mention here; but to name a few:

Hot Boat Decks	Oil Rig Roof Tops, Covers & Decks
Steam Pipes	Oxygen & Nitrogen Lines
Boilers	Engine Room(s) Ceilings & Walls
Roof Tops	Mixing Equipment
Hot Oil Vats & Tanks	Stove Hoods
Cross Overs	Air Conditioning & Heating Ducts

All of these uses reduces heat or cold which can cause job related injury or illness and reduce operating costs in the process.

TEMP-COAT® is available in liquid form and in the form of a wrap for tight places.

TEMP-COAT® product can be applied by brush, roller, airless spray or Quik-Gun* air assisted spray and can be tinted for safety, caution or aesthetic purposes.

The air assisted Quik-Gun eliminates a major portion of over-spray, can get into tighter spaces, is faster and provides a better finish than brush applications. (see Quik-Gun information)

Safety First

REMOVAL AND DISPOSAL

Should it be necessary to remove *TEMP-COAT®* or *TEMP-COAT®* Type F insulations for repairs or adjustments, the tasks is quite simple.

Heated lines and surfaces, while in operation, can be worked quite easily with a paint scraper or similar apparatus. In dealing with temperatures up to 300° F (+/- 50°) these products are soft and pliable and can be removed without the need for abrasives or heat sources.

On ambient surfaces, *TEMP-COAT®* can be removed by utilizing sanding discs, grinding wheels or heat can be applied. Removal can be affected with an acceptable heat source and by scraping the heated material.

In all cases, a blanket or cover should be placed under the area being worked to collect the product to be discarded.

Since *TEMP-COAT®* contains no heavy metals or chlorides (see exhibit A & B) and has a balanced pH of 7-8, there is no need to dispose of this product as hazardous matter. The same applies to dust residue and wash water.

Following repair or fabrication, the affected area can be re-insulated using a brush, roller or spray. The insulation is simply re-applied to the same thickness as the original application, overlapping the old application by one or two inches.

One significant advantage of TEMP-COAT® is that it reduces the cost of material replacement and the labor to install because it generally does not require jacketing or hazardous waste remediation.

EQUIPMENT TYPES FOR TEMP-COAT® APPLICATIONS

GRACO 7900



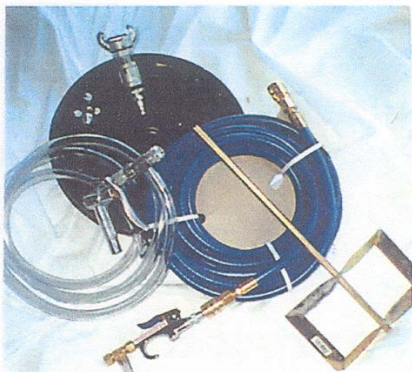
GRACO 7900 GAS OPERATED AIRLESS PUMP
THIS IS A MASTIC TYPE PUMP DESIGNED FOR HEAVY FLUID APPLICATION. SIMILAR EQUIPMENT MAY BE AVAILABLE FROM OTHER MANUFACTURERS. USE 18 TO 21/1000 TIPS WITH #5 OR #6 FAN. THE GRACO PLUS GUN OR CONTRACTORS GUN WORKS WELL WITH OUR PRODUCT.

GRACO 33:1 & 41:1 BULLDOG



GRACO 33:1 OR 41:1 AIR OPERATED AIRLESS SPRAY UNITS AS WELL AS THE OLDER 28:1 UNITS WORK WELL WITH TEMP-COAT® APPLICATIONS. USE 18 TO 21/1000 TIPS WITH #5 OR #6 FAN. Graco 28:1, 2300 PSI, 3 GPM Airless Pump OR ANY OTHER MANUFACTURERS PUMP MEETING THESE SPECIFICATIONS SHOULD PERFORM WELL WITH TEMP-COAT® (SEE REVERSE SIDE FOR OTHER SPECIFICATIONS)

QUIK GUN™ INDUSTRIAL PAK



The Quik Gun™ industrial pak gives

QUIK GUN™ & CAN CLIP



Quik-Gun™ and can clip only.

you a complete set-up for the application of TEMP-COAT® and other products using a constant 70 to 80 PSI dry air source. Easy to use, easy to clean, very few moving parts. Sprays up to a 3.5” path at 14” from the surface.

Just place the clip on the edge of the container and place the tail of the pick-up tube 2” above the bottom of the pail. Hold the gun at bucket height and squeeze the trigger to prime the gun. Full Instructions and parts list come with this equipment. Our product and gun cleans up with soap and water.

Bulldog 33:1 and 41:1 Pneumatic 2-Ball Piston Pumps

Technical Specifications

	Bulldog 33:1	Bulldog 41:1
Pump ratio	33:1	41:1
Maximum fluid outlet pressure	3300 psi (228 bar, 22.8 MPa)	4100 psi (283 bar, 28.3 MPa)
Maximum air input pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)
Fluid flow @ 60 cpm	2.9 gpm (10.8 lpm)	2.3 gpm (8.7 lpm)
Volume per cycle	6 oz (180 cc)	5 oz (145 cc)
Air consumption @ 100 psi air @ 20 cpm	32 scfm (0.91 m ³ /min.)	32 scfm (0.91 m ³ /min.)
Sound pressure level @100 psi air @ 20 cpm	86 dBA (Quiet Bulldog) 90 dBA (Standard Bulldog)	86 dBA (Quiet Bulldog) 90 dBA (Standard Bulldog)
Air motor inlet	3/4 npsm(f)	3/4 npsm(f)
Pump fluid inlet	1-1/4 npt(m) (Xtreme) 1-1/2 npt(f) (Dura-Flo)	1-1/4 npt(m) (Xtreme) 1-1/2 npt(f) (Dura-Flo)
Pump fluid outlet	3/4 npt(f) 1/2 npt(m) (Xtreme BIF)	3/4 npt(f) 1/2 npt(m) (Xtreme BIF)
Weight	105 lb. (48 kg) (Xtreme) 116 lb. (53 kg) (Xtreme BIF) 86 lb. (39 kg) (Dura-Flo)	105 lb. (48 kg) (Xtreme) 116 lb. (53 kg) (Xtreme BIF) 86 lb. (39 kg) (Dura-Flo)
Instruction manual	309340 (Xtreme) 308418 (Dura-Flo)	309340 (Xtreme) 308350 (Dura-Flo)

Note: BIF indicates Built-In Filter on Xtreme pumps