

COMPLETE WATERPROOFING ONE COMPANY

CCW provides a complete line of waterproofing solutions and the expertise to help you select the one that is best for your project.



CCW Deck Coatings



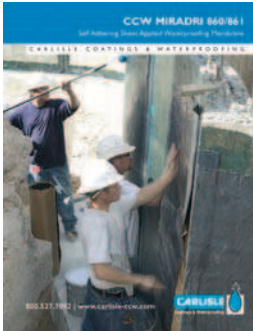
ECO-FAST II
Deck Coating System



CCW-500R



Barricoat-S



CCW MiraDRI 860/861



CCW MiraCLAY



CCW MiraDRAIN



CCW-525



CCW Green Roof Systems

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LIMITED WARRANTY

Carlisle Coatings & Waterproofing, Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially effect their performance, Carlisle will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties including the implied warranties of merchantability and fitness for a particular purpose.

Carlisle specifically disclaims liability for any incidental, consequential or other damages including, but not limited to, loss of profits or damages to a structure or its contents arising under any theory of law whatsoever.

The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

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Spray Equipment
Recommended for Dispense of:

Barriseal-S Air & Vapor Barrier
Barricoat-S Waterproofing Membrane
Barritech VP Vapor-Permeable Air Barrier

C A R L I S L E C O A T I N G S & W A T E R P R O O F I N G



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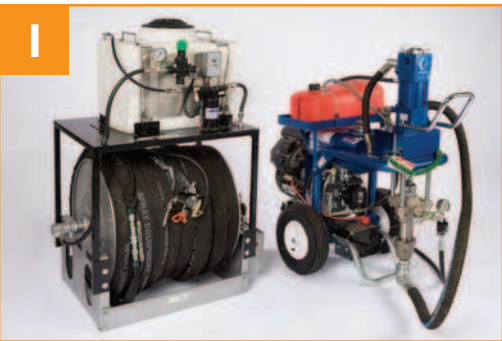
RECOMMENDED SPRAY EQUIPMENT FOR BARRISEAL-S AND BARRICOAT-S

GH 733 Co-Spray Package by Spray Equipment & Service Center, Inc.

GH 733 Package Description:

Equipment provides co-spray dispense of Carlisle Coatings & Waterproofing Barriseal-S or Barricoat-S. The powerful GH-733 pump, manufactured by Graco, dispenses the Barriseal-S or Barricoat-S. The co-spray assembly dispenses the Barricure solution.

GH733 CO-SPRAY PACKAGE

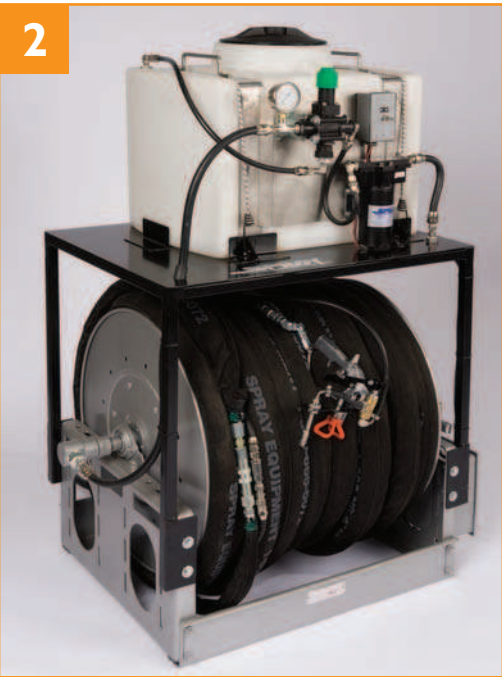


- GH 733 Package**
- Graco GH733 with Kohler 18hp Gas / Electric Start Engine
- Extreme 250cc Pump Lower rated at 3500 psi 3gpm
- Drum Siphon Assembly (8')
- Jump Hose (15' x 1/2" Pump to Reel)
- Hose Reel Electric Rewind with Barricure Tank Table
- Jacketed Dual Hose (200' Material & Co-Spray)
- Co-Spray Gun
- Barricure Tank (25 gallon)
- Barricure Pump (12v 250 psi Regulator, Pressure Gauge, SS Brackets & Fittings)

Co-Spray Assembly:

Co-spray assembly can be attached to conventional one-part pumps. The GH 733, GH 833 or GMAX 7900, all by Graco, have been verified as suitable for dispensing Barriseal-S and Barricoat-S. The co-spray unit, which dispenses Barricure solution, can be attached to any of the aforementioned Graco pumps.

CO-SPRAY ASSEMBLY



- Co-Spray Pump & Tank Assembly with Table and Hose Reel**
- 25-gallon Barricure Tank
- Stainless Steel Bracket
- 12v 250psi Pump
- 15' Electric Cables
- Power Control Box
- Regulator
- Pressure Gauge
- Jump Hoses
- All Stainless Steel Fittings
- Hannay Manual Dual Port Hose Reel / Co-Spray Table
- or Hannay Electric Dual Port Hose Reel / Co-Spray Table
- Assembled Ready to connect to your system

SILVER PLUS CO-SPRAY GUN



- Silver Plus Co-Spray Gun**
- Modified Graco Silver Plus Gun
- Graco HD RAC Tip Housings for Barriseal/Barricoat
- Water nozzle size HI/8VV 650I for Barricure
- GHD635 Heavy Duty Tip, Z-Swivel
- 6' x 3/8" High Pressure Whip Hose
- 6' x 1/4" Calcium Whip Hose with Quick Connects
- Heavy Duty Scuff Jacket

ACCESSORIES

- | | |
|------------------------------|------------------------|
| Hose 50' x 1/4" 300 psi | HD RAC Tip Housings |
| Hose 50' x 3/8" 4000 psi | Heat Exchanger Package |
| Hose 50' x 1/2" 4000 psi | Packing Kits: |
| Graco Heavy Duty Tips GHDXXX | GH733 |
| | GH 833 |
| | GMAX 7900 |

Replacement Nozzles

- Barriseal-S, Barricoat-S**
- High Coverage: GHD635
- Detail: GHD429
- Barricure**
- Type HI/8VV size 650I

CO-SPRAY SET-UP



Connect jump hose to Graco pump.



Connect alligator clips to 12 V DC on Graco pump. (GH 733 Model Shown)



If pump does not have 12 V DC connection, connect clips to 12 V DC generator or 12 V DC battery. (GH 833 Model shown)



Barriseal-S and Barricoat-S are packaged in 55-gallon drums. Barricure, a chloride-free liquid concentrate, provides instant cure of Barriseal-S and Barricoat-S. Barricure is packaged in 5-gallon pails.



Unbroken freeze indicator
If freeze indicator is not broken, proceed to checking the label for shelf life.



Broken freeze indicator
If freeze indicator is broken, shown by red staining, call CCW Tech Service.



Pour full 5-gallon pail of Barricure into 25-gallon tank on Co-Spray Assembly.



Top off tank on Co-Spray Assembly with clean tap water.



To re-fill tank, wait until Barricure solution is depleted to the empty line.



Examine the product label for shelf life. If product is out of shelf life, call CCW Tech Service.



Unscrew bung cap on drum of Barriseal-S or Barricoat-S. Cut membrane that is visible through bung with utility knife.

CO-SPRAY SET-UP - CONTINUED



Align intake pipe with larger bung. Set intake pipe all the way to bottom of drum.



Insert purge wand into smaller bung. Start up Graco pump and adjust settings according to manufacturer's instruction manual.

OPERATION

Start up Graco pump according to manufacturers instructions. Turn on Co-Spray and adjust pressure settings according to Figures 16 through 18. Make sure Graco pump is loading by running Barriseal-S/Barricoat-S through purge line. Shut off purge valve once piston on Graco pump is observed to cycle smoothly up and down. Pull trigger on Silver Plus Co-Spray Gun to commence spray. Evaluate spray pattern according to Figures 19 and 20.



Turn on Co-Spray Pump with switch.



Adjust pressure on Graco pump to initial setting of 1200 psi.



Adjust pressure on co-spray pump to initial setting of 150 psi.



Good
Even spray pattern. Pressure and nozzle size provide an even coating of spray without "fingering" or "ralley striping."



Not Good
Uneven spray pattern. Raise pressure or reduce nozzle size to even out spray pattern. Spray must fan out evenly on both Barriseal/Barricoat nozzle and Barricure nozzle. Clean dirty nozzles or replace worn nozzles as necessary.



Spray Technique
Operator shall spray with the nozzles positioned 20 to 24 inches from the surface. Spray lower area first, working upward. Keep spray direction square with wall surface. When sprayed properly, Barriseal-S/Barricoat-S should set up immediately, with fairly smooth surface texture and no running or blistering.

BARRISEAL-S/BARRICOAT-S PUMP REQUIREMENTS

These pumping systems, manufactured by Graco, have been verified by Carlisle Coatings & Waterproofing as suitable for use with the Co-Spray Assembly. Other pumps that can provide at least 2.0 GPM flow rate at 1,000 psi may also be suitable.

Model: GH 733
Gasoline Engine/Hydraulic-powered pump with electric start. Has 12 V DC connection for powering the Co-Spray Assembly.

Model: GH 833
Gasoline Engine/Hydraulic-powered pump with pull start engine. Need generator or battery connection to provide 12 V DC power to Co-Spray Assembly.

Model: GMAX 7900
Gasoline engine-powered pump with pull start engine. Need generator or battery connection to provide 12 V DC power to Co-Spray Assembly.

SHUT-DOWN OR MATERIAL CHANGEOVER

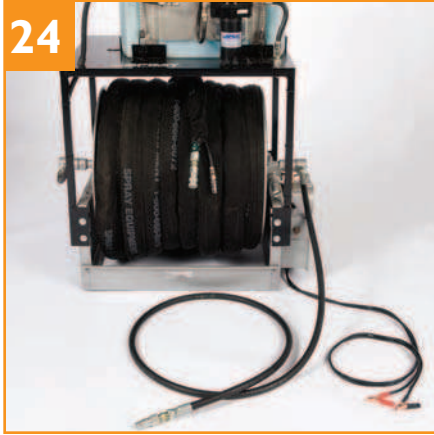
Barriseal/Barricoat can be left in pump, line and gun without cleanout for duration of overnight or weekend work stoppage. For long-term shutdown or material changover, flush Barriseal/Barricoat from Graco pump with mixture of 1 gallon citrus cleaner to 4 gallons tap water. Do not attempt flush with plain tap water, as this will separate the Barriseal/Barricoat emulsion and gum-up the pump. Graco pump cleanout is performed by inserting the intake pipe or siphon end of the pump into the pail of cleaning solution, and inserting the purge wand into the same pail. Open purge valve and run pump, circulating cleaning solution through pump until Barriseal/Barricoat is flushed out. The Barriseal/Barricoat line does not need to be flushed unless shut down will exceed several months or Co-Spray Assembly will be stored in area subjected to freezing temperatures. After cleanout is complete, shut off engine on Graco pump and relieve pressure on lines. Shut off co-spray pump at switch shown in Figure 16.



Disconnect gun at quick-disconnect fittings. Disassemble gun and tips, clean Barriseal/Barricoat residue from parts. Thoroughly with citrus cleaner or mineral spirits and reassemble.



Reel in hose.



Disconnect alligator clips and jump hose. Store Co-spray Assembly in area protected from freezing and outdoor exposure.

RECOMMENDED SPRAY EQUIPMENT FOR BARRITECH VP

Graco PUMP:
GH 733, GH 833 or GMAX 7900
Note: GH-733 and GH-833 pumps shipped from Spray Equipment & Service Center, Inc. for Barritech VP spray come fitted with a spring kit on the lower ball valve and a drum siphon assembly incorporating a pneumatic-powered transfer pump. Contact Spray Equipment & Service Center, Inc. for parts and instructions to retrofit standard GH-733/833 pumps.

HOSE AND GUNS:
Hose: Up to 200 ft of 1/2" 4000 psi
Silver Plus Spray Assembly
Graco Silver Plus Gun
HD RAC Tip Housing
GHD635 Heavy Duty Tip
Z Swivel
6' X 3/8" High Pressure Whip Hose
Tip: GHD635 for high coverage, GHD429 for detail
Barritech VP can be sprayed through conventional one-part pumps such as those recommended in this document.

BARRITECH VP SPRAY SET-UP



Barritech VP is packaged in 55-gallon drums and 5-gallon pails.



Examine Barritech VP label to determine if material is within shelf life. If material is out of shelf life, call CCW Tech Service.

To dispense product from drums, open drum as shown in Figure 13. Install transfer pump into bung. Connect purge wand to drum as shown in Figure 15. Connect siphon hose on Graco pump to discharge of transfer pump on drum. Connect compressed air supply to transfer pump.

DISPENSING BARRITECH VP FROM PAILS



Disconnect drum siphon assembly.



Connect pail adaptor to siphon end of pump.



Insert siphon end of pump into pail.



Insert purge line into pail. Connect hose and Graco Silver Gun to discharge of Graco pump.

OPERATION

Make sure pump is loading by running Barritech VP through purge line. Shut off purge valve once piston on Graco pump is observed to cycle smoothly up and down. Adjust pressure on Graco pump, as shown in Figure 17, to initial setting of 2400 psi. Pull trigger on Graco Silver Gun to commence spray. Evaluate spray pattern according to Figures 31 and 32.



Good
Even spray pattern. Pressure and nozzle size provide an even coating of spray without “fingering” or “ralley striping.”



Not Good
Uneven spray pattern. Raise pressure or reduce nozzle size to even out spray pattern. Spray must fan out evenly. Clean dirty nozzle and replace worn nozzle as necessary.

SHUT-DOWN OR MATERIAL CHANGEOVER

Barritech VP can be left in pump, line and gun without cleanout for duration of overnight or weekend work stoppage. For long-term shut down or material changeover, flush Barritech VP from Graco pump with clean tap water. Graco pump cleanout is performed by inserting the intake pipe or siphon end of the pump into the pail of water, and inserting the purge wand into the same pail. Open purge valve and run pump, circulating water through pump until Barritech VP is flushed out. Then close purge valve and flush Barritech VP from the line with water. After cleanout is complete, shut off engine on Graco pump and relieve pressure on line. Disconnect gun assembly from line. Disconnect line from pump. Disassemble gun and tip, clean parts with water before Barritech VP residue dries, and reassemble.



For sales and support for CCW products and their application.
CCW Tech Service Department

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For sales and support for the Graco contractor spray rigs and the Co-Spray Assembly.

1-800-666-6072 | www.sprayequipment.com