

Hydraulic proportioners increase uptime on high-volume roofing projects



CASE STUDY

Challenge

Enertec Contracting, a qualified applicator of BASF, Gaco Western and Bayer, has been serving the needs of customers all over Ontario, Canada since 1982. As a SPF contractor, their biggest challenge is a short spraying season and daily weather issues such as wind, rain, snow and humidity. Enertec was looking for a reliable, high-volume replacement of several Gusmer® H5 proportioners for their roofing business.

Solution

Graco distributor, Bolair Fluid Handling Systems, recommended the Graco Reactor® H-50 Hydraulic Proportioner equipped with the Fusion® AP Gun. Enertec built two spray rigs for roofing foam - one is equipped with a single H-50 and the other (for larger roofing jobs) is equipped with two Reactor H-50 units powered by a 120 kW Perkins™ generator. This generator enables the sprayers to run both proportioners at the same time.

Results

According to Enertec, with the Reactor H-50 units, the material heats up faster allowing contractors to start jobs in less time than with the previous equipment. Built-in diagnostics make onsite troubleshooting easier, and increase uptime. In addition, advanced controls automatically shut down the system if a ratio imbalance does occur, preventing bad foam and material waste, and increasing overall product quality. Since spray rigs of this size are sent to job sites with up to eight contractors, the reliability of the equipment impacts total job quality, labor expenses, uptime and productivity.

Enertec says the H-50's are a workhorse - with an output upwards of 52 pounds a minute. They spray five to six sets of chemical a day per proportioner.



“Our Graco Reactor H-50 performed well, even throughout our highest production months of the season. We were able to put on the largest foam chamber because we had the heat and pressure recommended for the volume output.”

— Joe Jamieson, Enertec Contracting

SPECIFICATIONS

END USER

Enertec Contracting

INDUSTRY

Roofing Foam

APPLICATION

Spray Applied Roofing Foam

Material Specs:

- Name of Material –
ELASTOSPRAY® 3 Pound Foam 81285
- Material Supplier – BASF

ELASTOSPRAY 81285 premium, spray-applied polyurethane foam roofing system provides sustainability, high-performance and low-maintenance at the lowest lifecycle cost.

Typical Properties

- Ratio (A:B) by volume: 1:1
- Viscosity at 70°F: 500 to 800 cps
- Chemistry:
 - Spray polyurethane foam (SPF)

GRACO EQUIPMENT

- Graco Reactor® H-50

CONFIGURATION

- Part Number: AP6505
- Heat zones: A: 120°F (49°C)
B: 120°F (49°C)
- Hose: 1/2 in x 150 ft
3/8 in x 150 ft
1/4 in x 10 ft whip

Accessories:

- Orifices: 02 to 05 chamber

Delivery Method:

- Graco Fusion® AP Gun



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