

Hopper Evaluation Form

Company: _____ Date: _____
Contact Name: _____ Title: _____
Address: _____
City: _____ State: _____ Zip: _____ Country: _____
Telephone: _____ FAX: _____ E-mail: _____

Section I

Bulk Material

Material: _____
Particle size(s): _____ Percent of sizes (if applicable): _____
Moisture content: _____ % to _____ %
Operating Temperature: _____ (°C or °F)
Material Characteristics: sharp, angular, hard, soft, cohesive, free-flowing
Weight: _____ lb./ft.³ or _____ kg/cm³

Hopper System Operation

Discharge rate: _____ tons/hour Storage capacity of bin: _____ tons
Annual throughput: _____ tons/year
Frequency of complete discharge: _____ ("x" times per day, month or year – please specify)
Charging method: (belt conveyor, railcar, truck, ship unloader, etc.)
Is the bin center loaded? Yes No

Description and Location of the Hopper

Structural material (steel, concrete, wood, etc.): _____ Located: Indoor Outdoor
This bin is: existing or planned for construction
Present wall material or liner (be specific): _____
Thickness of wall material or liner: _____
Original thickness: _____

Identify existing flow problems (Circle all that apply):

Describe the problem in detail and describe what temporary actions are necessary to deal with the problem. (Use a separate sheet of paper if necessary)

Which problem do you have? Sticking Arching Ratholing Other

The problem occurs in the: Transition Area, Outlet area or in the Valley Angle

Problem Occurrence (Check all that apply):

The problem occurs in: Summer Fall Winter Spring

Frequency: Daily Weekly Monthly Continually

Flow Pattern (Check One)

The hopper was designed for: mass, funnel or expanded Flow

The actual flow pattern is: mass flow / funnel flow

Section II

Can the hopper be detached and shipped to our facility to be lined? Yes No

Currently what is the largest accessible opening into the hopper?

Can a larger opening be made if necessary, if so how large? Yes No How large:

Please check the method(s) that you wish to be quoted:

Drop-in liner only

Installation at Quadrant EPP

Turnkey site installation

Are there any interior obstructions that need to be address? Yes No

Drop-in liners will be built to the dimensions supplied to us. Please confirm all dimensions are accurate.

THIS FORM MUST BE ACCOMPANIED WITH A BLUEPRINT OR SKETCH SHOWING ALL DETAILS.

Please FAX or email to your local branch: sales@redwoodplastics.com

Southern BC:
FAX: 604 607 6010

Northern BC & Yukon:
FAX: 250 563 9423

Alberta & Northern Canada:
FAX: 780 437 0926

Saskatchewan & Manitoba:
FAX: 306 651 5166

Eastern Canada:
FAX: 780 437 0926

Western US States:
FAX: 360 225 0411

Central US States:
FAX: 509 534 8411

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FAX: 770 389 7360