

Date _____ 20____

Company _____

Contact _____

Title _____

Address _____

City _____ St _____ Zip _____

Country _____

Phone _____

Mobile _____

Fax _____

E-mail _____

How did you learn about PAUL O. ABBE? _____

MIXING EXPERIENCE (describe your present mixing method)

Type of Mixer & Size _____

How is this method performing? _____

SOLID & LIQUID PRODUCT CHARACTERISTICS

Product is: Dry Wet Paste Mastic Compound

CAPACITY

by Volume _____ ft³ or liters per _____ hour(s)

or by Weight _____ lbs. or kgs. per _____ hour(s)

SOLID COMPONENTS

Name(s) _____

Bulk Density (lowest/min.) _____ lbs./ft³ / g/cc

Bulk Density (tapped/max.) _____ lbs./ft³ / g/cc

Other Characteristics: Friable Dusty Cohesive

Abrasive Paste Agglomerates Hygroscopic Oxidizes

If a Paste, Mastic or Compound:

Viscosity _____ cps @ _____ °F / °C

Rheology: Thixotropic Pseudoplastic Dilatent Newtonian

If Solids:

Particle Size Distribution: mesh or μ microns

_____ % less than _____

_____ % less than _____

_____ % less than _____

PRESSURE

Mixing is performed under:

atmospheric pressure

vacuum _____ "Hg

pressure _____ psig

TEMPERATURES

Incoming product _____ °F / °C

During mixing _____ °F / °C

After mixing _____ °F / °C

LIQUID ADDITION

Are liquids added during the process? Yes No

Name(s) _____

Liquid Viscosity _____ cps @ _____ °F / °C

Quantity _____ usg / liters

Rate of Addition _____ gpm / lpm

HEATING/COOLING JACKET

Required for heating to _____ °F / °C

Required for cooling to _____ °F / °C

Medium: water steam hot oil

Jacket Rating: 14.7 psig non-code

ASME code stamped for _____ psig

DISCHARGE The final product is a:

free-flowing powder that can be *bottom discharged*.

free-flowing liquid or paste that can be *bottom discharged*.

non-free flowing powder that must be *dumped*.

solid, mastic or compound that will be *dumped*.

solid, mastic or compound that will be *extruded with a screw*.

CLEARANCES

Clearance below discharge _____ "

Height/ceiling restrictions _____ "

PRODUCT CONTACT MATERIAL

304, 316 316L Stainless Steel

Other Alloy _____

Coating _____

EXTERNAL & SUPPORT MATERIALS

mild steel 304 other _____

SURFACE FINISHES

Internal: mill, 2B, #4, bead blast, _____ grit, _____ Ra (μ inch)

External: mill, 2B, #4, bead blast, _____ grit, _____ Ra (μ inch)

External Structural: coated, other _____

UTILITIES AVAILABLE

Electrical _____ voltage, _____ phase, _____ Hz

Vacuum _____ "Hg, _____ cfm

Air _____ psig, _____ cfm

Water _____ °F / °C, _____ gpm, _____ psig

Steam _____ psig, _____ lbs./hour

ELECTRICAL CLASSIFICATION

Will mixer and controls be in different areas? Yes No

Motor Classification:

non-classified TEFC

Class: Cls. I (gas/vapor), Cls. II (dust)

Division: Div. 1 (Class substance is present in normal conditions)

Div. 2 (Class substance is present in abnormal conditions)

Electrical Enclosures: NEMA-12, NEMA-4 (washdown)

NEMA-4X (washdown & corrosive), NEMA-7&9 (XP)

NEMA-4,7&9, other _____

SUPPORT EQUIPMENT REQUIRED

Vacuum System

Solvent Recovery

Heating

Cooling

Liquid Addition

Lump Breaker

Inert Gas Purge

Solids Sampler

Loading/Unloading

Controls

PROJECT SCHEDULE

Start-Up Scheduled for 1st 2nd 3rd 4th Qtr., 20____

Is Project Funded: Yes No

Installation Location (State or Country) _____