



Plastic Refractory RFQ Checklist

A printable worksheet for furnace repair, lining maintenance, and export-supply enquiries

PURPOSE

Use this worksheet to organise a technical and commercial enquiry. It is not a material recommendation, specification, or installation procedure.

1 Enquiry and delivery details

Identify who is requesting the review and where the material is required.

COMPANY AND CONTACT

Name, role, email, phone / WhatsApp

PLANT / PROJECT

End user or project name, if shareable

COUNTRY AND DESTINATION

City / port and delivery basis if known

REQUIRED DATE

Delivery date and shutdown / installation window

2 Equipment and lining zone

Name the process, equipment, exact zone, and scope. Attach a marked drawing or located photographs when possible.

PROCESS, EQUIPMENT, AND EXACT ZONE

Example: reheating furnace - discharge door surround

REPAIR TYPE

☐ Local patch ☐ Panel ☐ Full lining

LAYER

☐ Hot face ☐ Backup ☐ Other

REPAIR DIMENSIONS

Length x width x depth, total volume, or drawing reference

3 Operating conditions

Separate confirmed values from estimates. Add units and explain how temperature was measured.

NORMAL TEMPERATURE

Hot-face / process value and units

PEAK TEMPERATURE

Maximum value, duration, and frequency

ATMOSPHERE

Oxidising, reducing, changing, or unknown

CYCLING AND HEAT-UP

Campaign, starts / stops, available restart time

CONTACT AND WEAR

Slag, ash, scale, metal, vapour, dust, abrasion, erosion, impact, flame, gas velocity



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Continue with the existing lining, installation plan, quantity, logistics, and attachments

4 Existing lining and observed problem

Describe the material being repaired and the evidence available before demolition removes it.

EXISTING MATERIAL

Grade, chemistry, layers, thickness, installation date

ANCHORS AND JOINTS

Type, spacing, condition, movement details

FAILURE OR REPAIR REASON

Location, appearance, service life, operating event, previous repair history

5 Installation and quantity

Record the proposed method and constraints. The selected product's current instructions must govern installation.

APPLICATION METHOD

Ramming, trowelling, or other proposed method

ACCESS AND CREW

Tools, orientation, ambient conditions, experience

NET REQUIREMENT

Estimated kg / tonnes; state if waste is included

PACKING PREFERENCE

Confirm offered pack size and number of units

CURING, DRY-OUT, AND RESTART CONSTRAINTS

Available time, heating controls, monitoring, hold points, applicable procedure

6 Documents and attachments

Tick what is included with the enquiry and what is required with the offer.

☐ Located equipment photographs

☐ Lining drawing and dimensions

☐ Existing material datasheet

☐ Failure / inspection report

☐ Request current product datasheet

☐ Request packing and shelf-life details

☐ Request storage / installation guidance

☐ State quality / export document needs

Submission note

Send this worksheet with the available drawings and photographs through royalrefractories.com/contact. For GCC enquiries, start at royalrefractories.com/markets/plastic-refractory. Royal Refractories manufactures in Wankaner, Gujarat, India; availability, packing, freight, documents, and lead time are quotation-specific.

Final material suitability depends on the complete operating, lining, installation, storage, logistics, and heat-up conditions. Confirm the current technical datasheet and written offer before specification or purchase.