



Masonry Joint Inspection Checklist

General Information

Details about the project and the inspection itself.

Project Name

Project Address

Inspection Date

Inspection Time

Inspector Name

Company Name (Inspector)

Temperature (°C/°F)

Enter a number...

Weather Conditions

- ☐ Clear
- ☐ Cloudy
- ☐ Rain
- ☐ Snow
- ☐ Fog

Visual Inspection of Joints

Assessment of the appearance and condition of the masonry joints.

Joint Color Uniformity?

- ☐ Uniform
- ☐ Slight Variation
- ☐ Significant Variation

Joint Alignment?

- ☐ Straight and Uniform
- ☐ Minor Deviations
- ☐ Significant Misalignment

Presence of Cracking?

- ☐ No Cracking
- ☐ Hairline Cracks
- ☐ Vertical Cracks
- ☐ Horizontal Cracks
- ☐ Map Cracking

Description of Joint Condition (if not uniform or showing cracks)

Write something...

Evidence of Efflorescence?

- ☐ None
- ☐ Slight
- ☐ Moderate
- ☐ Severe

Joint Shape?

- ☐ Concave
- ☐ Flush
- ☐ V-Joint
- ☐ Other (Specify)

Describe any other unusual visual characteristics

Write something...

Upload Visual Inspection Photos (if applicable)

 Upload File

Joint Type and Material Verification

Confirmation of the specified joint type and material used.

Specified Joint Type

- ☐ Raked
- ☐ Flush
- ☐ Weathered
- ☐ Concave
- ☐ Other (Specify)

If 'Other' Specified Above, Please Detail Joint Type

Write something...

Specified Joint Mortar Type

- ☐ Type N
- ☐ Type S
- ☐ Type M
- ☐ Other (Specify)

If 'Other' Specified Above, Please Detail Mortar Type

Write something...

Mortar Mix Ratio (Cement:Lime:Sand)

Enter a number...

Mortar Specification Sheet (Optional)

 Upload File

Confirm joint type and material matches specifications?

☐ Yes

☐ No

If 'No' Selected Above, Provide Details

Write something...

Evidence of Joint Deterioration

Identification and documentation of any signs of joint failure or damage.

Type of Deterioration Observed (Check all that apply)

- ☐ Cracking (Vertical)
- ☐ Cracking (Horizontal)
- ☐ Cracking (Diagonal)
- ☐ Pop-outs
- ☐ Recessed Joints
- ☐ Discoloration
- ☐ Efflorescence
- ☐ Scaling/Spalling
- ☐ Honeycombing
- ☐ Loss of Joint Material

Maximum Crack Width (mm)

Enter a number...

Description of Deterioration (Location, extent, pattern)

Write something...

Number of Affected Joints (within inspected area)

Enter a number...

Severity of Deterioration (Overall)

- ☐ Minor
- ☐ Moderate
- ☐ Severe

Photos of Deteriorated Joints

 Upload File

GPS Location of Deterioration (if applicable)

 [Set My Current Location](#)



Water Penetration Assessment

Evaluation of the joint's resistance to water penetration.

Was a water test (e.g., hose test, spray rack) performed?

☐ Yes

☐ No

If yes to water test, what was the water pressure (PSI)?

Enter a number...

Duration of water test (minutes)

Enter a number...

Describe the method used for the water penetration assessment.

Write something...

Evidence of active water penetration observed?

- ☐ Yes
- ☐ No
- ☐ Uncertain

If yes to water penetration, describe the location and nature of the penetration (e.g., staining, efflorescence, dripping).

Write something...

Upload photos/videos documenting water penetration (if applicable).

 Upload File

Joint sealant condition related to water resistance?

- ☐ Intact & Effective
- ☐ Cracked/Damaged
- ☐ Missing
- ☐ Unknown

Structural Integrity Considerations

Assessment of how joint condition may affect the overall structural stability.

Does joint deterioration appear to compromise structural stability?

- ☐ Yes
- ☐ No
- ☐ Uncertain

Describe any observations relating to masonry movement or displacement.

Write something...

Estimated crack width (in mm) observed near joints (if any).

Enter a number...

Is there evidence of bowing or leaning of masonry units?

- ☐ Yes
- ☐ No
- ☐ Uncertain


Describe any connection issues between masonry and supporting structure.

Write something...

Is there evidence of differential settlement affecting joint performance?

- ☐ Yes
- ☐ No
- ☐ Uncertain

Upload supporting photos of structural concerns (if any).

 Upload File

Documentation and Recommendations

Recording of findings and suggested corrective actions.

Summary of Findings

Write something...

Detailed Recommendations for Repair/Maintenance

Write something...

Estimated Cost of Recommended Repairs (USD)

Enter a number...


Date of Next Recommended Inspection

Enter date...

Severity of Joint Condition (Overall)

- ☐ Minor
- ☐ Moderate
- ☐ Significant
- ☐ Critical

Supporting Photographs (Joints, Damage, etc.)

 Upload File

Inspector Name

Write something...

Inspector Signature