

MORTAR ANALYSIS REPORT

JOB REFERENCE	NatWest Whitehaven	SAMPLE	1	PAGE 1
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ANALYSIS DATE	February 2023
SITE	NatWest Whitehaven
CLIENT	Stone Central
DATE/ TAKEN RECEIVED	February 2023
CLIENT REQUIREMENTS	Analyse mortar samples
MORTAR DATING	No
LOCATION/ FUNCTION IN BUILDING	Pointing/building mortar
ENCLOSURES	None
CONDITION OF SAMPLE RECEIVED/ COLLECTED	Loose and lightly bound aggregate

GENERAL COMMENTS/ SUMMARY

From the nature of the binding matrix of the mortar sample and from information gained from the analysis, it is probable that the mortar was made up by volume, from a combination of 1 part early cement (as opposed to modern OPC): 2 parts lime: 9 parts fine sand and a little ash.

SUGGESTED REPLACEMENT MORTAR (Taking account of prevailing site conditions, building materials and condition, location, and function of the new mortar, building details, exposure, seasonal working etc.)

For the red sandstone it is suggested that any re-pointing / re-building mix should comprise of 1 part Ionic Old White NHL3.5: 2 parts fine moist pink silica sand, stained with a small amount of ash.