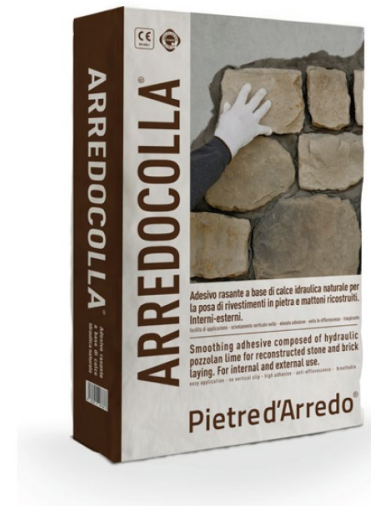


Arredocolla

HIGH PERFORMANCE PROFESSIONAL SMOOTHING ADHESIVE
COMPOSED OF MINERAL BINDERS, NO VERTICAL SLIP, FOR
RECONSTRUCTED STONE AND BRICK LAYING.



Technical Data Sheet – Rev. 04/2023

DESCRIPTION

ARREDOCOLLA is a leveling powder adhesive consisting of natural hydraulic lime, selected mineral fillers and special additives that improve the workability and help reduce the formation of efflorescence. ARREDOCOLLA ensures adherence to various cement surfaces and allows for installations with no vertical slip, including large-sized stone patterns. After hardening, it has excellent mechanical strength, good flexibility and excellent permeability to water: all specifications that make it fully compatible with reconstructed stone and enhance its technical characteristics.

Classification according to European standard EN 12004 – C2T · Cement adhesive (C) improved adherence (2) no vertical slip (T).

FIELDS OF APPLICATION

ARREDOCOLLA is used for indoor and outdoor laying of reconstructed stones and bricks. It can be applied on all conventional substrates such as brick, concrete blocks, plaster, prefabricated concrete or on site casts. It can be used as a levelling product to adjust surfaces that are not flat or by interposing ARMOFLEX 330 glass fibre reinforcement technological mesh for reinforced levelling to consolidate the degraded or very soft substrates. ARREDOCOLLA is particularly suitable for adhesive levelling, always reinforced with ARMOFLEX 330 mesh, and subsequent gluing on thermal insulation systems when a reconstructed stone coating is to be applied.

SUBSTRATE PREPARATION

The substrate must be sufficiently dry, flat, solid, compact, free of inconsistent parts, without any dust and greasy substances, levelling or old paint and any material that might prevent the adhesive from adhering perfectly. The new cement substrate should have already completed the drying shrinkage process, estimated at a minimum of two weeks for plaster and a minimum of 28 days for concrete. On gypsum substrates use ready-to-use adhesive paste, which is permanently flexible, cement-free ARREDOFIX, which is always recommended for laying reconstructed stone coatings on plasterboard substrates. Very porous and highly absorbent surfaces can be treated with consolidating impregnating RASOTECH PRIMER CONSOLIDANTE in order to decrease the absorption and improve the workability of the adhesive.

MIXTURE PREPARATION

Mix a 25-kg bag of ARREDOCOLLA with approx. 7 litres of clean water and mix with a mechanical mixer until a smooth mixture is obtained, free of lumps. Let it rest for about 5-10 minutes and remix briefly and adjust the consistency before use, if necessary. The mixture is workable for 5-6 hours. For levelling, add another 0.5 litres of water to improve the workability and improve smoothness.

APPLICATION

Apply a first thin levelling layer of adhesive on the surface with a smooth metal spatula to guarantee adhesion and adjust the water absorption. In particular climatic conditions (direct sunlight, hot wind, high temperature, etc.) it may be useful to dampen the surface in advance to improve the correct application. Apply an amount of ARREDOCOLLA with a trowel so

as to guarantee complete coverage of the back of the stones and then a thin layer on the surface. Place the stone by applying good pressure with small translational movements in order to guarantee perfect contact between the stone/adhesive/surface. For a correct and guaranteed installation do not apply the adhesive with a notched trowel (as is used to lay ceramic tiles). Strictly avoid dirtying the stones with the adhesive during application and keep your hands as clean as possible; if necessary, clean immediately with a damp sponge and clean water to prevent the formation of residue stains. Grouting can be implemented after about 24 hours.

YIELD

6 - 7 kg/m², depending on the type and flatness of the substrate.

RECOMMENDATIONS

Do not use ARREDOCOLLA on metal surfaces, wood, plastic and resilient materials. Always respect the structural expansion joints and any string courses that may be present. For large surfaces, provide for the creation of fractionation joints in the cladding in such a number as to compensate for possible movement/shrinkage of the support. Protect the coating from rain and washout or from the action of the beating sun until the product has completely hardened. For further information or particular uses, consult the COLMEF Technical Assistance Service.

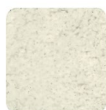
PACKAGING

ARREDOCOLLA is available in 25 kg polyethylene coated paper bags on 1500 kg pallets. Store the product in a dry place and in its original packaging, well closed. In these conditions its stability is of at least 12 months.

COLOUR



GRIGIO



CREMA



MARRONE
CHIARO

The above colours are purely indicative and can have slightly different shade than the original product for reasons of print.

TECHNICAL DATA

Compliant with standards:	EN 12004
Class:	C2T
Aspect:	powder
Colour:	grigio crema marrone chiaro
Density UNI EN 1015-10 (kg/l):	1.40
Mixing ratio:	~ 7 litres of water for 25 kg of powder
pH value:	14
Flammability:	no
Wall grouting after:	24 h
Admitted application temperature:	from +5 °C a +35 °C

FINAL PERFORMANCE

	Results	Rule
Initial adhesion after 28 days (N/mm ²):	≥ 1.0	EN 1348
Adhesion after heat action (N/mm ²):	≥ 1.0	EN 1348
Adhesion after immersion in water (N/mm ²):	≥ 1.0	EN 1348
Adhesion after freeze-thaw cycles (N/mm ²):	≥ 1.0	EN 1348
Vertical sliding (mm):	≤ 0.5	EN 1346
Water absorption:	W 1	UNI EN 1015-18
Vapour diffusion coefficient:	μ 5/35 (table value)	UNI EN 1015-19
Thermal conductivity:	λ _{10,dry,mat} ≤ 0.67 W/mK for P=50% (table value) λ _{10,dry,mat} ≤ 0.76 W/mK for P=90% (table value)	UNI EN 1745
Reaction to fire:	Class A2	EN 13501-1

| Tests performed at 23°C-R.H. 50% in the absence of air ventilation |

SAFETY INSTRUCTIONS

Comply with all good hygiene practices in the work site. The mix with ARREDOCOLLA contains cement and calcium hydroxide that on contact with body perspiration produces an irritant alkaline reaction. Use protective glasses and gloves. Consult the Safety Data Sheet in order to use the product safely.

SPECIFICATIONS

Cladding laying in reconstructed stone, frost-proof, breathable, low-water absorption, *model* from the COLMEF Srl PIETRE D'ARREDO brand, for the cladding of internal and external walls. For laying, use a natural, anti-efflorescence hydraulic lime-based levelling adhesive with optimal performance and zero vertical slippage. classified as C2T in accordance with Standard EN 12004, such as **ARREDOCOLLA** from the COLMEF Srl PIETRE D'ARREDO brand. Point the stone using the appropriate breathable low-water absorption mortar, such as **ARREDOSTUCCO** from the COLMEF Srl PIETRE D'ARREDO brand, *in colour*

For the pointing of laid stone cladding on a thermal insulating system, always add a lightweight aggregate, such as **ARREDOLIGHT** from the COLMEF Srl PIETRE D'ARREDO brand, to the paste in order to increase breathability and reduce the weight on the wall.

FOR FURTHER DETAILS OR SPECIAL USES, CONTACT THE **Pietre d'Arredo TECHNICAL DEPARTMENT**.

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