

## PRO FLEX S1

*Flexible adhesive for outdoor ceramic tiles*

### CHARACTERISTICS

KERAFLEX is good quality construction adhesive for gluing ceramic and stone tiles in exterior and interior condition of exploitation to vertical and horizontal surfaces, as well as for laying ceramics to floor heating.

Based on standard EN 12004, it has been classified as C2TES1 (Improved flexible cement adhesive with extended open time and reduced slipping).

### COMPOSITION

Mineral fillers, cement, quartz sand, organic binder, additives.

### TECHNICAL CHARACTERISTICS

Parameter	Value
Compressive strength after 28 days (EN 1348)	$\geq 1 \text{ N/mm}^2$
Compressive strength after immersing in water (EN 1348)	$\geq 1 \text{ N/mm}^2$
Compressive strength after warmth exposure (EN 1348)	$\geq 1 \text{ N/mm}^2$
Compressive strength after freezing-unfreezing cycle (EN 1348)	$\geq 1 \text{ N/mm}^2$
Open time (EN 1346)	$\geq 0.5 \text{ N/mm}^2$ after at least 30 minutes
Reduced slipping (EN 1308)	$\leq 0.5 \text{ mm}$
Transversal deformation (EN 12002)	$> 2,5 \text{ i} < 5 \text{ mm}$

### SUBSTRATE PRAPARATION

Substrate has to be hard, dry, free of dust, grease and other impurities.

Cement and cement-lime mortars substrates should dry minimum 1 day for each mm of thickness ( $T=20^\circ\text{C}$ , rel. humidity 65%), and concrete surfaces should dry at least a month.

It is not recommended to glue substrates such as wood, metal and similar or substrates with surface made of cement if material has not completely dried. Before applying adhesive, substrate should be wetted with water, or, if it is water absorbent one, it should be impregnated by product PODLOGA KONCENTRAT (solution: PODLOGA KONCENTRAT: water=1:3)

We recommend product PODLOGA KVARC for smooth surfaces.

Both coats represent binding connection between substrate and used material at the same time in order to create stronger connection and decrease its consumption.

## APPLICATION

Use approx. 1.3 (6.7l) l of water and add bag of 5 kg (25 kg) of KERAFLEX. Use slow speed mixer and mix it until homogenous compound is formed. Leave material as such rest for about 5 minutes and mix it again. Compound workable for 2-3 hours. Water absorbent tiles should be immersed in water before installation itself. Non-absorbent tiles should not be immersed in water since this increases slipping and decreases adherence. In order to install new ceramics over the old one, surface of old ceramics should be roughed in order to provide better bonding.

KERAFLEX is applied with notched trowel, notch 4-6 mm, to the substrate and then tiles are set overhead and these need to be pressed against firmly so that adherence of adhesive on the tile is minimum 60% and minimum 90% for outdoor ceramics. Tiles adherence can be corrected within 10 minutes after setting them.

If there is skin on the top of glue, skin should be removed and a new layer of adhesive should be applied and tile should be set on such adhesive.

24 hours later, it is allowed to move gently on tiles and join tiles in selected shade. Dilatation joints should be filled with elastic sealing compounds permanently.

Optimum air and wall temperature for work and drying is from +5°C to +25°C.

Avoid working in direct sunlight, wind and rain. Use protective curtains.

Wash tools with water immediately after use.

## CONSUMPTION

≈ 3-5 kg/m<sup>2</sup>

## PACKAGE

Paper bag 5 kg, 25 kg

## LIFETIME

12 months in original, well-sealed and undamaged package.

## WASTE TREATMENT

Pursuant to the Law on waste management ("Official Gazette of the Republic of Srpska", number 111/13 and 106/15), Rulebook on waste categories, tests and classification ("Official Gazette of the Republic of Srpska", no. 19/15), adhesive for ceramic tiles is classified as waste with the following classification number

17 09 04 (mixed waste from construction and demolition other than those listed in 17 09 01, 17 09 02 and 17 09 03). Contaminated waste should be delivered to waste management authority.

## LABELLING

Pursuant to Regulation (EC) No. 1272/2008 classification, labeling and packaging



of substances and mixtures, product is classified as hazardous.



Hazard class and hazard category: - Skin irrit. 2  
- Skin sens. 1  
- Eye dam. 1  
- STOT SE 3

Signal word: Danger

Product identifiers:

Compound contains: Portland cement clinker (CAS number: 65997-15-1).

Hazard statements:

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

Precautionary statements:

P102 – Keep out of reach of children

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310-Immediately call a POISON CENTER or doctor/physician.

P333-P313-If skin irritation or rash occurs: Get medical advice/attention

P501 – Disposal of contents /container in accordance with local/ national/regional/international regulations.

## STORAGE

Store it in dry and ventilated rooms in original package.  
Protect from contact with humidity.

## QUALITY CONTROL





Parameters of the product quality are defined pursuant to internal product specifications. Achieving declared values is ensured by integrated system of quality management ISO 9001. Verification of declared and limit values are achieved through tests in certified laboratories. Significant importance is paid to protection of environment through integrated system of quality of environmental management ISO 14001.

#### **OTHER INFORMATION**

*In case application or esthetic lacks are noticed in installation, contractor is to stop the works immediately and duly inform the producer, who, hence, shall deal with complaint.*

*If a larger part of whole of amount of material is applied, complaint is not possible.*

*It is understood that contractor is aware of product characteristics and the way of its application.*

*Company Colorit doo shall not assume the damage caused due to contractor's unprofessionalism, wrong application or wrong choice of product for given purpose.*

*Technical Data Sheet is meant for guideline in order to achieve the best results in application only.*

*Read safety data sheet before use of product.*

