

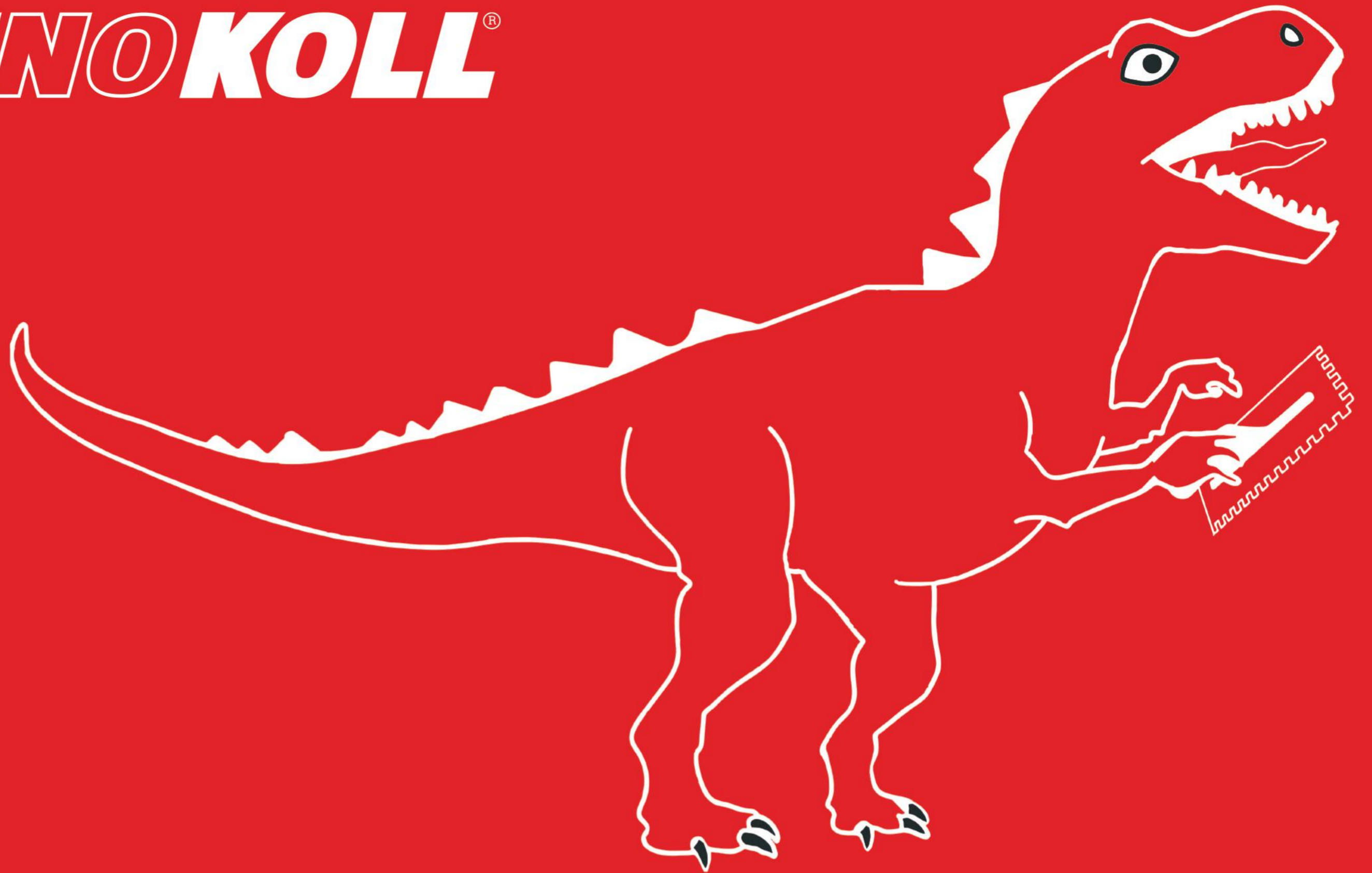
***DINO* KOLL<sup>®</sup>**

**ADHESIVE  
COLLECTION**



**2023-2024**

***DINO*KOLL<sup>®</sup>**



## About us

Decades of management, production, and sales, as well as successively gaining the position of the country's top exporter in the leading tile and ceramic industries of Iran, such as Irana Tile, Sina Tile, Zagros Ceramics (Antique), Hafez, etc., the first producer of porcelain glazed tiles, the publication of Iran's first specialty tile and ceramic magazine and one of the first founders of Iranian ceramic syndicate. Encouraged us to act as the first official importer of porcelain adhesives from Italy, and then, with the purchase of machinery and technology of Italian companies, we became the first specialized factory of tile, ceramic, porcelain, and stone adhesives in Iran. In this regards, the name Dinokoll was determined for our chemical products used in construction in Iran, so that the name DINOKOLL comes from the common name DINO in Italy, which is derived from the name Dinosaur, and also from its combination with the name KOLL, which is derived from the word COLLA, which means glue in Italy. It should be noted that the Italian car manufacturing company FERRARI has named one of its most famous cars Dino after its founder's son's name. Although DINOKOLL includes all technical product building mortars, this catalog is specifically for information and a general introduction of ceramic and porcelain tile adhesive products, especially porcelain slabs and large and thick natural and artificial stones.

## History

The Setareh Artam Derakhshan company was registered on April 29, 2008, in the Tehran Companies Registration Office with the subject of the import, production, and export of various items and construction mortars. Therefore, this company aims to produce all kinds of construction adhesives and mortars, and in order to achieve the best quality, standard, and methods of production and distribution and to know the strengths and weaknesses of mortars, especially tile and ceramic adhesives, the cooperation first started with MAPEI and then KERAKOL of Italy, but due to their unwillingness to co-produce in Iran, instead of concluding an exclusive agency contract and importing from OPERA Adhesive Company of Italy, it was conditioned to participate in production in Iran and for the Middle East markets.

This process lasted for more than a decade, and in the meantime, the company took action to purchase the factory site, obtain the relevant permits, and build the office and production building of the factory. During these times, a comprehensive investigation was conducted to purchase machines from Germany, Italy, Finland, and Turkey. Then, after a complete review of the production methods and related technologies of Italy in terms of specialized records in the machines of world-famous companies on the one hand and the introduction of the participating company in the manufacturing and production of products in Iran on the other hand, it was selected. Therefore, with the conclusion of the contract, drawing up 100% plans and importing machines from Italy, finally in September 2022, at the same time as the government week, the fully automatic factory (PLC) and robotics of Dinokoll were inaugurated by the then governor of Tehran and members of the Ministry officials.





TECHNOLOGY

PRODUCTION

## Vision

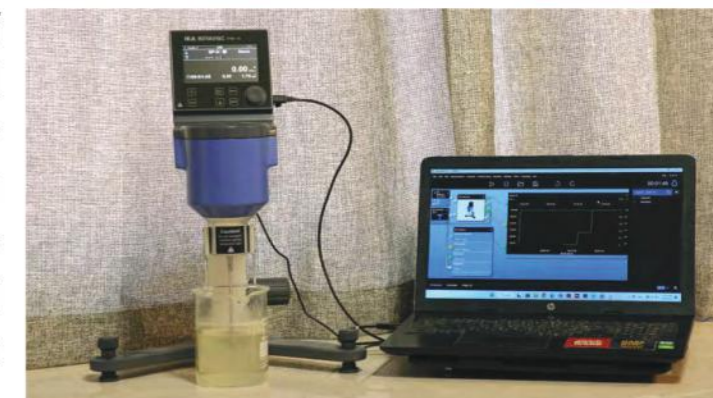
Preparation and processing of the best and most up-to-date and scientific method of producing products related to technical building mortars in a way that develops the construction industry and consumer satisfaction.

## Mission

- Continuous training of employees and all those related to the consumption of products
- Development and promotion of any awareness related to this industry in this field
- Full compliance with domestic and global standards in all products and activities at higher levels
- Using the best and most complete technology and production methods
- Hiring competent and efficient staff
- Preparation and compilation of all scientific articles from the world's universities and research centers in the field of construction mortars
- Satisfying customers by providing quality products and responding to their requirements and problems as soon as possible
- Investigating and researching to acquire knowledge and science about products related to the company's products

## R&D

Long before the start of production, our company started its experiments in its well-equipped laboratories by preparing and providing all instruments, devices, and chemical raw materials related to research and development, in parallel with the partnership of like-consultation and cooperation with the Italian company. Investigate and study on different types of domestic and foreign materials and optimal and high-quality formulations and make our products on the same quality level with world quality products. Therefore our company proudly succeeded to obtain the standard license of Iranian organization as a qualitative adhesive.



## Environment

- Full compliance with environmental issues in production and technology
- Not using materials and production methods contrary to environmental issues
- Complete filtration of all pollution dust due to the dispersion of production materials in the environment
- Collecting, purifying, and not transferring human, production and sewage waste in the production environment and industrial zone
- Production of healthy products free from any harmful health of customers
- Intensive effort development of green space in the factory environment and its increasing maintenance



PACKAGING AND SHIPPING



Packing:			
1 – 20 kg	80 Bag/Pallet	1600 kg/Pallet	100x100
1 – 25 kg	64 Bag/Pallet	1600 kg/Pallet	110x110

**Standards:**

- 01 - The preparatory adhesive products of Dinokoll with the standard N.12492 equivalent to European norm UNI EN 12004 - 13813.
- 02 - The cement-based waterproofing products by Dinokoll comply with the European norm UNI EN 14891.
- 03 - The adhesives by Dinokoll is according to IRanian standard N.12492 comply with the European norm UNI EN 12004. classifying the adhesives according to their performance.
- 04 - All joint fillers by Dinokoll comply with the European norm UNI EN 13888.
- 05 - All technical restoration mortars by Dinokoll comply with the European norm UNI EN 1504.
- 06 - Our products are steadily improved considering the latest European norm UNI EN 11493, grouping and summarizing the reference norms mentioned above for application purposes.
- 07 - In term of vertical slip we follow EN 1308 equal to 12489 IRanian standard.
- 08 - About EN 1346 European standard of open time we follow 12488 IRanian standard.
- 09 - Following of EN 1847 European standard of wetting method we look 12491 IRanian standard.
- 10 - and we adaptation to EN 1348 (IRAN 12487) about determination of tensile adhesion strength.
- 11 - Also we following standard EN 12002 (IRAN 12486) referring to determination of transverse deformation.
- 12 - IRanian standard of Dinokoll (Setareh Artam Derakhshan) is 6692747018.



۶۶۹۲۷۴۷۰۱۸  
سامانه پیامکی  
استعلام کد  
استاندارد:  
۱۰۰۰۱۵۱۷

دارنده استانداردهای سیستم مدیریت یکپارچه (ISO 45001 - ISO 14001 - ISO 9001) IMS



1. DC(C1): Dinokoll Tile								
2. DWF1(C1T): Dinokoll Wall and Floor								
3. DWF2(C1TE): Dinokoll Wall and Floor								
4. DP(C2T): Dinokoll Porcelain								
5. DPWF(C2TE): Dinokoll Porcelain Wall and Floor								
6. DPS1(C2TE)(S1): Dinokoll Porcelain Slab								
7. DPS2(C2TE)(S2): Dinokoll Porcelain Slab								
8. DPR1(C2FT): Dinokoll Fast Porcelain Floor								
9. DPR2(C2FTE)(S2): Dinokoll Porcelain Slab Fast								
10. DPPOOL(C2TE): Dinokoll Porcelain Pool								
11. Primer G 12. Adolastic					13. Detergent			
14. Diskoll Diskoll 10 / Diskoll 20								
15. Concrete Adhesive Spa 15 / Spa 30								



## Abbrev:

### Class:

C1 - Standard setting cement-based adhesive

C2 - Improved cement-based adhesive

T - Adhesive with limited vertical slip

E - Adhesive with extended open time

F - Rapid setting cement-based adhesive

S1 - Deformable adhesive according to the norm EN | 2002

S2 - Highly deformable adhesive according to the norm EN | 2002

D1 - Standard adhesive in dispersion

D2 - Improved adhesive in dispersion

R1 - Standard reaction adhesive

R2 - Improved reaction adhesive

CG2 WA - Improved cement-based sealant with high resistance to abrasion and reduced water absorption

RG - Reaction sealant

D1 - Standard adhesive in dispersion

D2 - Improved adhesive in dispersion

### Definition of Dinokoll

- Dinokoll is formed from Dinosaur and Koll (Colla)(Gule) in Italy.

D : Dinokoll

P : Porcelain

W : Wall

F : Floor

S : Slab

R : Rapid

PO : Pool

B : Backbuttering



**DC:**  
DINOKOLL  
Tile



**DWF1:**  
DINOKOLL  
Wall and  
Floor



**DWF2:**  
DINOKOLL  
Wall and  
Floor

**DP:**  
DINOKOLL  
Porcelain



**DPWF:**  
DINOKOLL  
Porcelain Wall  
and Floor



**DPS1:**  
DINOKOLL  
Porcelain Slab



**DPS2:**  
DINOKOLL  
Porcelain Slab



**DPRI:**  
DINOKOLL  
Fast  
Porcelain



**DPR2:**  
DINOKOLL  
Porcelain  
Slab Fast



**DPPOOL:**  
DINOKOLL  
Porcelain  
Pool

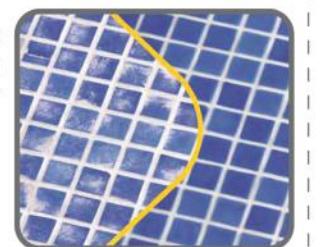
**Primer  
Gs:**  
DinoKoll  
Primer Gs



**Adolastic:**  
DinoKoll  
Latex  
Adhesive



**Detergent:**  
Dinokoll  
Cleaner



**Diskoll:**  
Diskoll 10  
Diskoll 20



**Concrete  
Adhesive:**  
Spa 15 - Spa 30





# *Porcelain & Slab Adhesive*



## DC: DinoKoll Tile

One-component cement-based adhesive for indoor and outdoor installation of single and double fired materials on cement-based substrates.



### • Advantages:

- Easy to prepare and apply

### • Consumption:

- The best pulling adhesive with notched trowel and back of tile with thin spatula.
- The thickness should not more than 10 mm and 3-4 kg/m<sup>2</sup> for one side and 4-5 kg/m<sup>2</sup> for both side in small size and 5 kg/m<sup>2</sup> for both side in medium size and 4-5 kg/m<sup>2</sup> for one side and 6 kg/m<sup>2</sup> in both side in bigger. and the water ratio is about (22% - 24%) weight of adhesive.

### • DC:

- DC is abbreviation of Dinokoll Tile adhesive for Ceramic corresponds EN12004 in C1class.
- C1: standard setting cement-based adhesive.

### • Application:

- To install all types of floor ceramic tiles for indoor use.
- To install all types of cement and brick blocks.

Initial tensile adhesion strength (after 28 days)	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	>0.5 N/mm <sup>2</sup>
Open time	20 min





### DWFI: DinoKoll Wall and Floor

One-component cement-based adhesive for the installation of single and double fired tile and ceramic. For wall and floor indoor and outdoor use.



**• DWFI:**

- DWFI is abbreviation of Dinokoll Tile Adhesive for Wall and Floor corresponds EN12004 in CIT class.
- C1: Standard setting cement-based adhesive.
- T: is adhesive with limited vertical slip.

**• Application:**

- Usual wall and floor tile and ceramic, inside and outside.

**• Advantages:**

- Easy to prepare and apply
- The volume of adhesive.
- No sliding in vertical application.
- Thixotropy adhesive.

**• Consumption:**

- The best pulling adhesive with notched trowel and back of tile with thin spatula.
- The thickness should not more than 10 mm and 3-4 kg/m<sup>2</sup> for one side and 5 kg/m<sup>2</sup> for both side. and the water ratio is about (22%-24%) weight of adhesive.

Initial tensile adhesion strength (after 28 days)	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	>0.5 N/mm <sup>2</sup>
Slip	<0.5 mm
Open time	20 min





## DWF2: DinoKoll Wall and Floor

One-component thixotropic cement-based adhesive with extended open time for indoor and outdoor installation of single and double fired materials on cement-based substrates.



### • DWF2:

- DWF2 is abbreviation of Dinokoll Tile Adhesive for Wall and Floor tile corresponds EN12004 in CITE class.
- C1: standard setting cement-based adhesive.
- T: is adhesive with limited vertical slip.
- E: is adhesive with extended open time.

### • Application:

- Usual wall and floor ceramic tile, inside and outside.



### • Advantages:

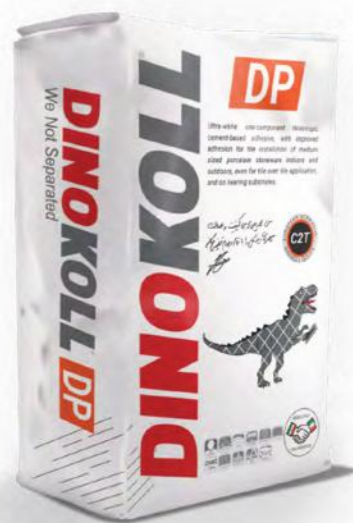
- Easy to prepare and apply.
- No sliding in vertical applications.
- Long using period, extend open time.
- The volum of adhesive.
- Thixotropy adhesive.

### • Consumption:

- The best pulling adhesive with notched trowel and back of tile with thin spatula. The thickness should not more than 10 mm and consumption of adhesive is about 3-4 kg/m<sup>2</sup> for one side and 5 kg/m<sup>2</sup> for both side in medium size and 4-5 kg/m<sup>2</sup> for one side and 6 kg/m<sup>2</sup> in both side for bigger size. and the water ratio is about (22%-24%) weight of adhesive.

Initial tensile adhesion strength (after 28 days)	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	>0.5 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	>0.5 N/mm <sup>2</sup>
Slip	<0.5 mm
Open time	30 min





### DP: DinoKoll Porcelain

Ultra-white one-component thixotropic cement-based adhesive, with improved adhesion for the installation of medium sized porcelain stoneware indoors and outdoors, even for tile over tile application, and on heating substrates.



#### • Advantages:

- Easy to prepare and apply
- No sliding in vertical applications.
- Long using period, extend open time.
- Applying tile over tile on heating screed.
- Water retainer and flexible.

#### • Consumption:

- The best pulling adhesive with notched trowel and back of tile with thin spatula.
- The thickness should not more than 10 mm and 3-4 kg/m<sup>2</sup> for normal size and 4-5 kg/m<sup>2</sup> for size. and the water ratio is about (24%-28%) weight of adhesive.

#### • DP:

- DP is abbreviation of Dinokoll Porcelain adhesive corresponds EN12004 in C2T class.
- C2: refer to cement based adhesive improved adhesion.
- T: is adhesive with limited vertical slip.

#### • Application:

- Usual porcelain wall and floor façade porcelain ceramic tile, inside and outside, terrace, balconies.
- To apply for heating screeds.
- TILE over tile application.

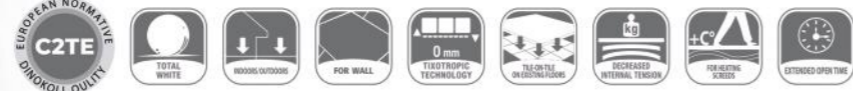
Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	20 min





### DPWF: DinoKoll Porcelain Wall and Floor

One component thixotropic cement based adhesive, with improved adhesion and extended open time for the installation of porcelain, stoneware, natural stones indoors and outdoors, even for tile over tile application, and on heating screeds



**• DPWF:**

- DPWF is abbreviation of Dinokoll Porcelain adhesive for Wall and Floor tile corresponds EN12004 in C2TE class.
- C2: refer to cement based adhesive improved adhesion.
- T: is adhesive with limited vertical slip.
- E: is adhesive with extended open time.

**• Application:**

- Usual porcelain wall, floor and façade porcelain ceramic tile, natural and artificial stones inside and outside, terrace, balconies.
- Applying tile over tile and heating screed.



**• Advantages:**

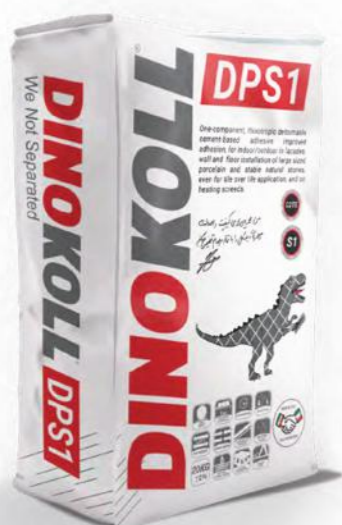
- Easy to prepare and apply
- No sliding in vertical applications.
- Long using period, extend open time.
- The volum and density of adhesive.
- Water retainer and flexible.
- Helps in reducing the noise caused by footsteps.

**• Consumption:**

- The best pulling adhesive with notched trowel and back of tile with thin spatula. The thickness of adhesive should not more than 10 mm and consumption of adhesive is about: 5 kg/m<sup>2</sup> for normal size. and the water ratio is about (24%-28%) weight of adhesive.

Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	30 min





### DPS1: DinoKoll Porcelain Slab

One-component, thixotropic deformable cement-based adhesive improved adhesion, for indoor/outdoor in facades, wall and floor installation of large sized porcelain and stable natural stones, even for tile over tile application, and on heating screeds.



**• DPS1:**

- DPS1 is abbreviation of Dinokoll Porcelain Adhesive for Slab corresponds EN12004 in C2TE(S1) class.
- C2: refer to cement based adhesive improved adhesion.
- T: is adhesive with limited vertical slip.
- E: is adhesive with extended open time.
- S1: Deformable adhesive according to the norm EN12002.

**• Application:**

- Large size (slab) porcelain wall, floor, façade, natural and artificial stone inside and outside.
- To apply any ceramic in stress and tension such as trace and balcony.
- To apply tile over tile.
- Applying tile over tile on heating screed.
- To apply all kind of glass and ceramic mosaic on cement screed.

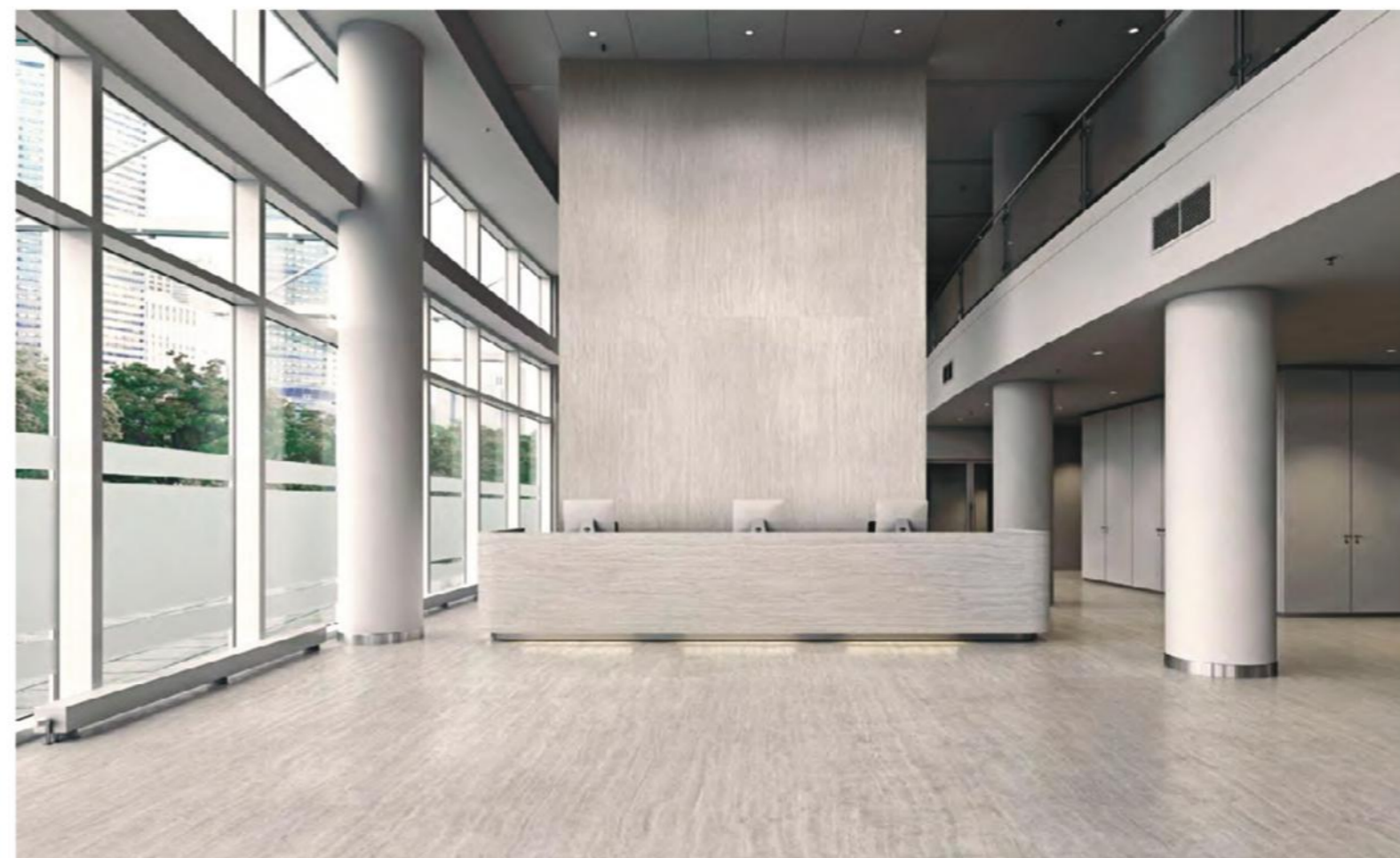
**• Advantages:**

- Easy to prepare and apply.
- No sliding in vertical applications.
- Long using period, extend open time.
- The volum and density of adhesive.
- Water retainer and flexible.
- Helps in reducing the noise caused by footsteps.

**• Consumption:**

- The best pulling adhesive with notched trowel and back of tile with thin spatula. The thickness of adhesive should not more than 15 mm and consumption of adhesive is about: 6 kg/m<sup>2</sup> for one side and 7 kg/m<sup>2</sup> for both side. and the water ratio is about (23%-26%) weight of adhesive.

Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	30 min
Transverse deformation	> 2.5 mm







### DPS2: DinoKoll Porcelain Slab

One component, thixotropic easy to apply, highly deformable, high performance cementitious adhesive with no vertical slip, extended open time and extremely high yield for any slab porcelain ceramic tiles and stone material in wall, floor and facades.

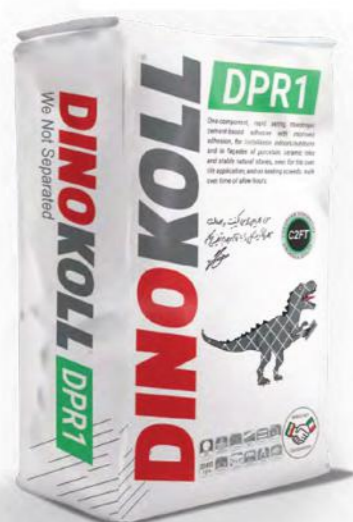


- **DPS2:**
  - DPS2 is abbreviation of Dinokoll Porcelain Adhesive for Slab corresponds EN12004 in C2TE (S2) class.
  - C2: refer to cement based adhesive improved adhesion.
  - T: is adhesive with limited vertical slip.
  - E: is adhesive with extended open time.
  - S2: Highly deformable adhesive according to the norm EN12002.
- **Application:**
  - Any type of (slab) porcelain wall, floor, façade, natural and artificial stone inside and outside.
  - Suitable for bonding on deformable substrates (marine board) etc.,
  - To apply any ceramic in stress and tension such as terrace and balcony.
  - To apply tile over tile.
  - Applying tile over heating screed.
  - To apply all kind of glass and ceramic mosaic on cement screed.

- **Advantages:**
  - Easy to prepare and apply.
  - No sliding in vertical applications.
  - Long using period, extend open time.
  - The volum and density of adhesive.
  - Water retainer and very flexible.
  - Helps in reducing the noise caused by footsteps.
- **Consumption:**
  - The best pulling adhesive with notched trowel and back of tile with thin spatula. The thickness should not more than 15 mm and 6 kg/m<sup>2</sup> for one side and 7 kg/m<sup>2</sup> for bigger side. and the water ratio is about (23%-26%) weight of adhesive.

Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	30 min
Transverse deformation	> 5 mm





### DPRI: DinoKoll Fast Porcelain

One-component, rapid setting thixotropic cement-based adhesive with improved adhesion, for installation indoors/outdoors and in façades of porcelain, ceramic tiles and stable natural stones, even for tile over tile application, and on heating screeds. walk over time of a few hours.



#### • Advantages:

- Easy to prepare and apply.
- No sliding in vertical applications.
- Applying tile over tile on heating screed.
- The volume and density of adhesive.
- Water retainer and flexible.
- highly recommend to use self levelling before DPR.
- Self contact (back buttering).

#### • Consumption:

- The best pulling adhesive with notched trowel and back of tile with thin spatula.
- The thickness should not more than 10 mm and 6 kg/m<sup>2</sup> for medium side and 7 kg/m<sup>2</sup> for bigger side. and the water ratio is about (22%-27%) weight of adhesive.

#### • DPRI:

- DPRI is abbreviation of Dinokoll Porcelain Rapid adhesive corresponds EN12004 in C2FT class for Fast instalment.
- C2: refer to cement based adhesive improved adhesion.
- F: Fast instalment.
- T: Is adhesive with limited vertical slip.

#### • Application:

- Apply for fast installment walls and floor porcelain ceramic tile, inside and outside.
- To apply porcelain tile and ceramic on traditional ceramic.
- To apply porcelain tile and ceramic on heating screeds.
- Recommended for quick restructuring work were immediate installation is required (supermarkets, airports, public building etc.)
- To apply any ceramic and glass mosaic on cement screeds.

Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Tensile adhesion strength (after 6 hours)	> 0.5 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	10 min





## DPR2: DinoKoll Porcelain Slab Fast

One component, thixotropic highly deformable, high performance, rapid-setting and hydration cementitious adhesive, which is easy to apply by trowel with no vertical slip and extremely high yield for porcelain (slab) ceramic tiles and stone material. walk over time of a few time.



### • DPR2:

- DPR2 is abbreviation of Dinokoll Porcelain Rapid adhesive for Installation corresponds EN12004 in C2FTE(S2) class for Fast instalment.
- C2: refer to cement based adhesive improved adhesion.
- F: Fast instalment.
- T: is adhesive with limited vertical slip.
- S2: Highly deformable adhesive according to the norm EN12002.
- E: Is adhesive with extended open time.

### • Application:

- To apply for fast setting big size of porcelain wall and floor façade, inside and outside, terrace and balconies.
- To apply ceramic on traditional ceramic.
- To apply all kind of glass and ceramic mosaic on cement and on heating screeds.
- For quick restructuring work were immediate installation is required (supermarkets, airports, public building etc.)
- Suitable for bonding on deformable substrates (marin board) wooden agglomerates which are shfficiently stable in the presence of water, old wooden floor, etc.

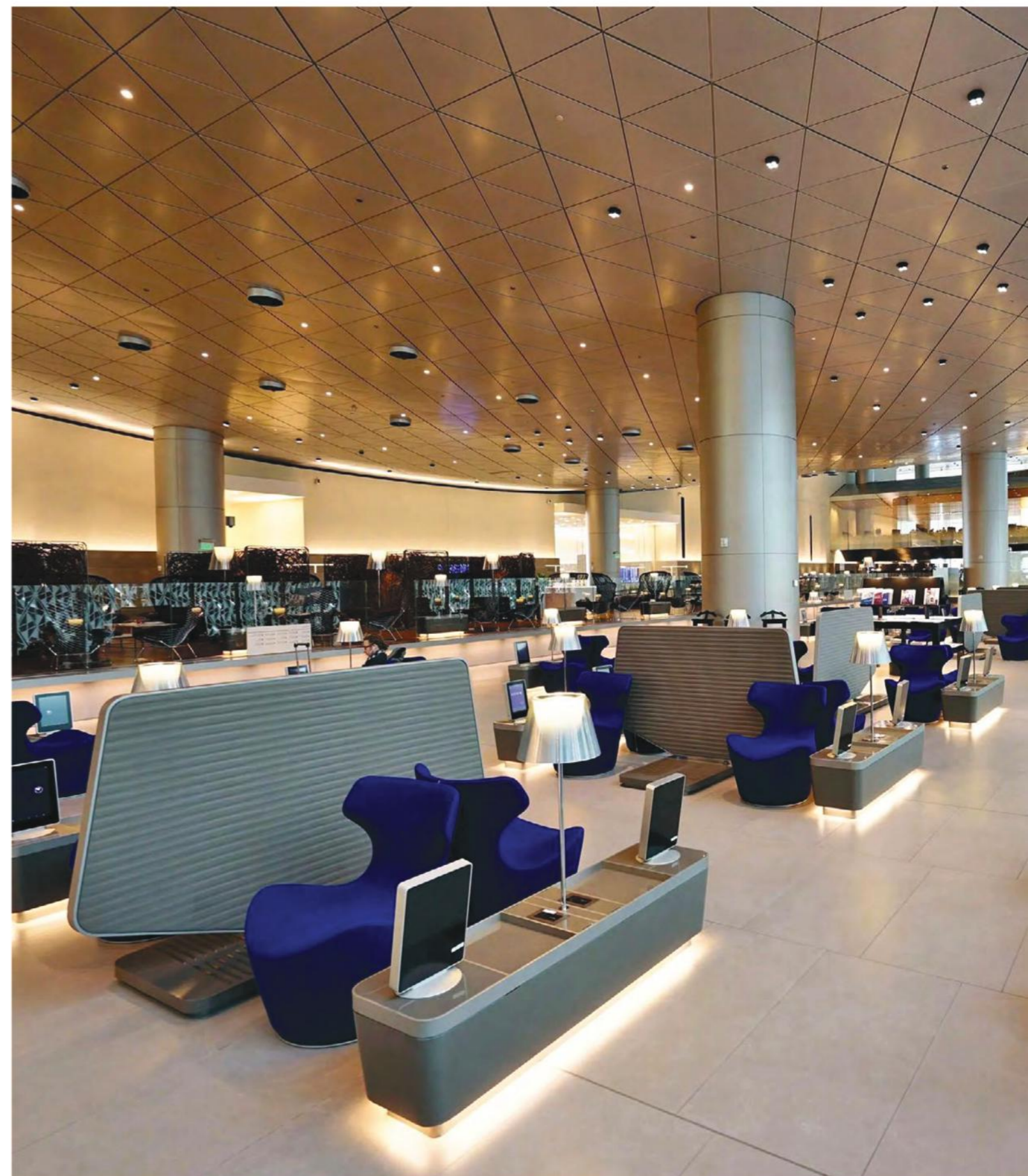
### • Advantages:

- No sliding in vertical applications.
- Applying tile over tile on heating screed.
- The volume and density of adhesive.
- Self contact (back buttering).
- Fast setting and walk over of a few time .
- Highly recommend to use self levelling before DPR2.
- Help to reducing the noise caused by foot steps.

### • Consumption:

- The thickness should not more than 15 mm and 8 kg/m<sup>2</sup> for one side. and the water ratio is about (22%-27%) weight of adhesive.

Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Tensile adhesion strength (after 6 hours)	> 0.5 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	30 min
Transverse deformation	> 5 mm





## DPPOOL: DinoKoll Porcelain Pool

Two-component cement-based adhesive for the installation of any type of tile, even large sized, in swimming-pools and facades. Thixotropic and highly deformable, with rapid setting. Specific for solid stones, preventing the formation of surface stains in the most sensitive marbles.



### • DPOOL:

- DPOOL is abbreviation of Dinokoll adhesive for Swimming POOL tile corresponds EN12004 in C2TE S2 class.
- C2: refer to cement based adhesive improved adhesion.
- T: is adhesive with limited vertical slip.
- E: IS adhesive with extended open time.
- S2: Highly deformation adhesive according to the norm EN 12002.

### • Application:

- Ceramic porcelain for swimming pool, wall, floor and façade.
- To apply glass mosaic and ceramic mosaic, fountains, saunas, according EN12002 after adding isoflex latex in ratio 1:1 with the mixture water to DPOOL
- To apply tile over tile and heating screeds, Pools and ponds.

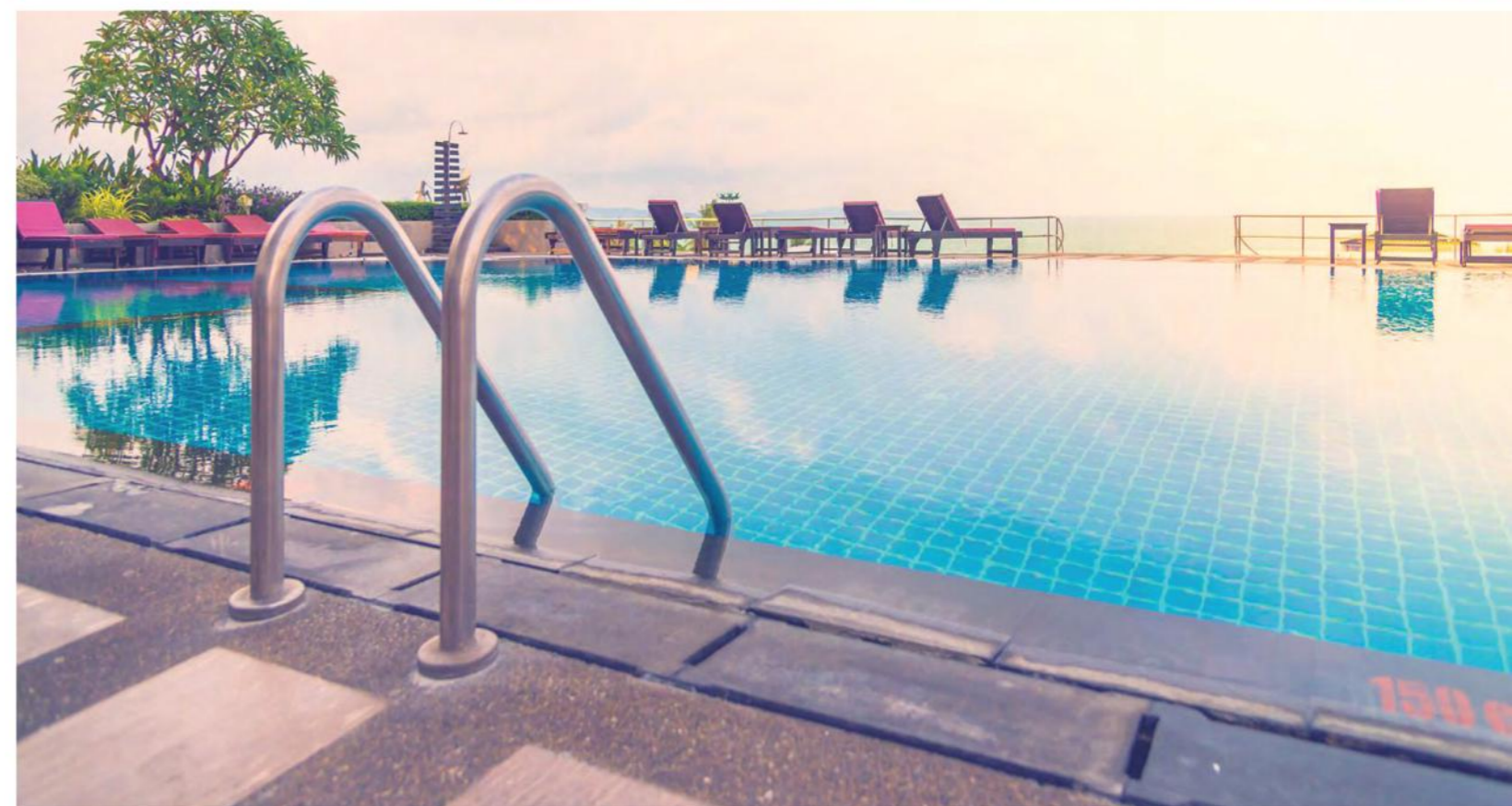
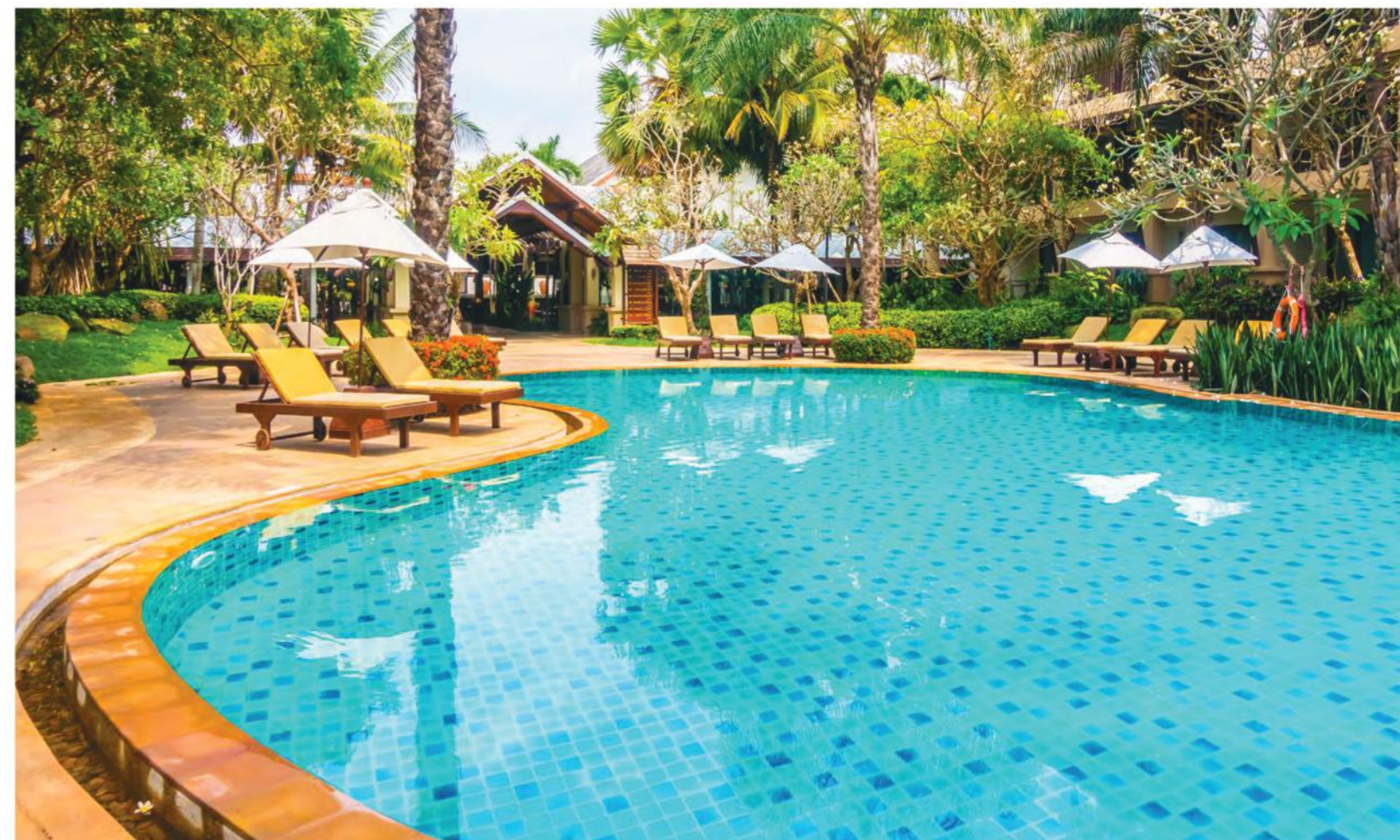
### • Advantages:

- Easy to prepare and apply
- No slipping in vertical applications Long using period.
- The volume and density of adhesive.
- Water retainer and flexible.

### • Consumption:

- The best pulling adhesive with notched trowel and back of tile with thin spatula.
- The thickness should not more than 5 mm and 6 kg/m<sup>2</sup> for one side and 7 kg/m<sup>2</sup> for both side.
- Adolastic and DPOOL abstained S2 flexibility and ADolastic and DPOOL 1:1 with water (S1 flexibility)

Initial tensile adhesion strength (after 28 days)	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycle	> 1 N/mm <sup>2</sup>
Slip	< 0.5 mm
Open time	30 min





## Primer Gs: DinoKoll Primer Gs



### • Primer Gs:

- Insulating and strengthening primer with high penetration based on synthetic micro-resins for gypsum, anhydrite and cement-based substrates, for indoor and outdoor application.

### • Application:

- For strengthening brittle crumbling on the surface also with floor heating or cooling.
- For strengthening brittle renders crumbling on the surface.
- For insulating gypsum renders or screeds.
- For insulating anhydrite screeds also with floor heating or cooling.
- To lock surface and interstitial dust in cement-based screeds.
- For adjusting the absorption rate of the application product and smoothing plasters.
- Compatible with every type of cement based adhesives or mortars.
- Professional use only.

### • Advantages:

- Creates a grid of acrylic micro particles with extremely high cohesion and penetration, to inhibit every expansion.
- For screeds or mortars, eliminates every crumbling and lock the yard surface dust.

### • Consumption:

- For passivating gypsum substrates use primer GS pure, for strengthening cement-based mortars or screeds dilute primer GS with clean water in a 1:1 or 1:2 ratios, depending on the substrate absorption.
- The amount of consumption of this product is 150-250 grams per square meter and applied on one level.

### • Instructions:

- primer GS must be applied by short bristle roller or flat brush.

COLOR	MILKY COLOR
VISCOSITY	≈ 24 mPa. S, rotor 1 RPM 100
PH	≈ 11
TEMPERATURE RANG FOR APPLICATION	FROM +5°C to +35°C
WAITING BEFORE LAYING	≥24 h – minimum drying 2 hours
DILUTE WITH WATER	1:1 to 1:3





## Adolastic: DinoKoll Latex Adhesive



### • Adolastic:

- Superior-polymer technology latex additive Tobe mix for improving mortar flexibility and elasticizing in water proof for cement-based adhesive, indoor and outdoor application.

### • Application:

- For mixing with powder cement-based adhesive.  
- Using for dry mortar.  
- Using for installing of tile, ceramic and swimming mosaic.  
- Improve frost resistance.

### • Advantages:

- Improving mechanical performance.  
- Improving elasticizing.  
- Increasing adhesion in cracking problems.  
- Waterproofing is improved.  
- Better resistance to frost.

### • Consumption:

- 1.5-2 kg/m<sup>2</sup>  
- ratio 1:1

Mixing table

DC + adolastic	C2, S2
DWF 1 + adolastic	C2, S2
DC + Adolastic diluted 1:1 with water	C2, S1
DWF + Adolastic diluted 1:1 with water	C2, S1
DPOOL + Adolastic diluted 1:1 with water	C2 TE, S1

TECHNICAL DATA

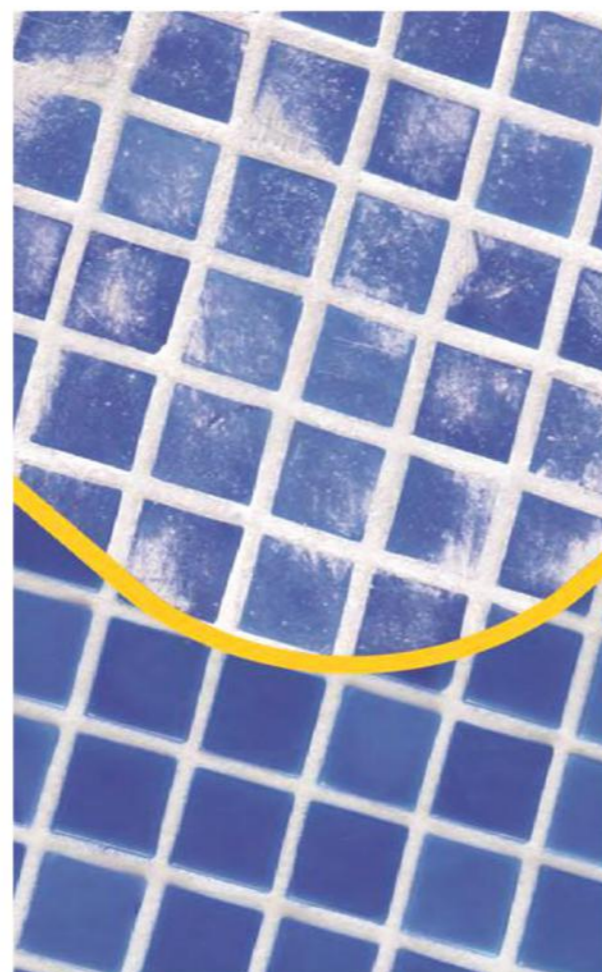
appearance	White liquid
storage	≈12 months in the original packaging
warning	Protect from frost and exposure to sunlight and heat
Dosage Professional cement-based adhesives	≈ 7.5kg / 1 bag 25 kg
viscosity	≈33 m pa . s, rotor 1 RPM 100
PH	≈7.06
Temperature range for application	From +5 °C to +35 °C
coverage	See Dosages

FINAL CHARACTERISTICS

	50% ADOLASTIC	100% ADOLATEX
Mixing water for H40 flex grey		
Dosage ADOLATEX / water / H40 flex	≈ 3.9 kg / ≈ 3.9 l / 25 kg	≈ 8.6 kg / - / 25 kg
Pot life	≥ 4h	≥ 4h
Open time	≥ 30 min	≥ 30 min
Working time	≥ 30 min	≥ 30 min
Foot traffic	≈ 24h	≈ 24h
Grouting in walls / flooring	≈ 4 / 24h	≈ 4 / 24h
Interval before normal use	≈ 7 days	≈ 7 days
Transversal deformation	≥ 10 mm	≥ 15 mm
Adhesion to concrete after 28 days	≥ 2 N / mm <sup>2</sup>	≥ 2 N / mm <sup>2</sup>
Adhesion after water immersion	≥ 1 N / mm <sup>2</sup>	≥ 1 N / mm <sup>2</sup>
Adhesion after action of heart	≥ 2 N / mm <sup>2</sup>	≥ 2 N / mm <sup>2</sup>
Adhesion after frost-thaw cycles	≥ 1 N / mm <sup>2</sup>	≥ 1 N / mm <sup>2</sup>



### Detergent: Dinokoll Cleaner



- **Detergent:**
  - Professional acid detergent to removing residues after tile laying for indoor and outdoor application.
- **Application:**
  - For removing cement-based residues (glues, sealants or mortars) from floor and wall.
  - For cleaning efflorescence's caused by soluble salt rising to the surface of tiles and joints.
  - To remove cement, lime stone and calcareous and grout residues.
- **Instructions:**
  - Scrubber
  - Abrasive sponge
  - Must be used wearing protective goggles and gloves.
  - Before cleaning with detergent rinse and wait for the total drying.
  - First test the actual resistance to acids in all materials to be treated, then started.
- **Consumption:**
  - 150-200 gr / m<sup>2</sup>

#### TECHNICAL DATA

appearance	Green liquid
storage	≈12 months in the original packaging
warning	Protect from frost Avoid direct exposure to sunlight and sources of heat
Water dilution ratios	All ratios
PH	≈1
Temperature range for application	From +5 °C to +35 °C
Reaction	Immediate
Cleaning with water	≈5 – 15 min.
coverage	≈0.1 – 0.3 kg/m <sup>2</sup>



### Diskoll



- **Diskoll:**
  - Diskoll ready adhesive is an adhesive based on acrylic emulsion resins with the characteristics specified in the table below, and it is generally referred to as )Do-It-Yourself( adhesives in the world.
  - Therefore, logically, this adhesive is not recommended for general and general purposes of buildings and projects, and it is better to use powder adhesive in such cases.
  - Paste adhesives can be used to optimize the preparation time for immediate and small uses.
  - According to the standard criteria, two types of paste adhesives are recommended as follows:
    - 1- paste adhesive (D1T) DISKOLL (10) for installation of tile, ceramic and stones.
    - 2- paste adhesive (D2TE) DISKOLL (20) for installation of tile, ceramic and stones in low humid areas.



- **Application:**
  - The ready to use adhesive is suitable for performing the necessary tasks in installing ceramic and stone tiles on surfaces
  - Can be used to install ceramic tiles on stone, ceramic and cement surfaces
  - It can be used for special purposes and to the extent of installing ceramic tiles in the optimal use of time in the preparation of the adhesive
- **Privilege:**
  - Ready to use without adding other ingredients
  - Strong adhesion, resistant and flexible against the settlement and vibration of the building
  - Easy and convenient implementation
  - relative resistance against moisture and water according to the standard specified in the table below

Specifications	DISKOLL 10	DISKOLL 20
Color	White	White
Density	1.5 g/cm <sup>3</sup>	1.6 g/cm <sup>3</sup>
Resistance to water	Poor	Good
Adhesion strength – EN 1324	> 2 N/mm <sup>2</sup>	> 2 N/mm <sup>2</sup>
Open time	20 minutes	30 minutes
Slip	< 0.5 mm	< 0.5 mm
Working Temperature	5-35	5-35
Time for bonding	2-3 days	2-3 days
Ready to use	7 days	7 days
Storage conditions	6 months in dry and cool places	6 months in dry and cool places



**• Spa 15:**

- This product is a modified liquid polymer resin that is used for bonding and strengthening on concrete and cement surfaces.

**• Spa 30:**

- This product is based on styrene butadiene rubber copolymer. It is a strong, upgraded and modified adhesive for making special mortars for strong sealing against water and resistant to chlorine ions and other chemicals.

**• Indications:**

- Improving the power and strength and sealing in porcelain tile and ceramic adhesives
- Making mortar for sealing swimming pools and water tanks and Watersport centres
- Making mortar for repairing and modifications of holes and voids in stones
- Preparation of mortar for installing stones and ceramic mosaics in swimming pools and humid areas
- Making putty for repairing and renovating cement and concrete walls and surfaces and polishing exposed concrete facades ,pool and concrete walls
- Preparation of foundation mortar on smooth surfaces in order to create a rough and abrasive underlayer in walls and surfaces without porosity and without the need for meshing.
- Note: Before using the above mortar, it is recommended to create a layer of Dinokel primer

**Concrete Adhesive**



**• Privilege:**

- Remarkable and durable waterproofing in cement and concrete walls and surfaces
- Resistance and flexibility against cracking and failure caused by building settlement
- Resistant against frost and cold



Specifications	Spa 15	Spa 30
Color	Milky white	Milky white
pH	6-7	6-7
Density	~1.06 g/cm <sup>3</sup>	~1.06 g/cm <sup>3</sup>
Compressive strength (28 days) – ASTM C10	>350 kg/cm <sup>2</sup>	>350 kg/cm <sup>2</sup>
Bending strength – ASTM C348	>10 kg/cm <sup>2</sup>	>10 kg/cm <sup>2</sup>
Adhesion to old concrete – ASTM C1042	>35 kg/cm <sup>2</sup>	>35 kg/cm <sup>2</sup>
Adhesion strength to concrete – ASTM C1404	~1.8 kg/cm <sup>2</sup>	~1.8 kg/cm <sup>2</sup>
Resistance to water penetration	Good	Excellent
Resistance to Cl ions	Poor	Good
Flexibility	Good	Very high flexible
Working Temperature	5-35	5-35
Storage conditions	12 months in cool and dry places	12 months in cool and dry places

**Dino Ferrari**  
Since 1957





1. You can use class C1 cement base adhesive for installing ordinary tiles and ceramic ,but for installing porcelain in any size, we strongly recommend you to use class C2 cement base adhesives, and it definitely must have a national standard mark (with the ability to track the standard number).

2. To install slabs, do not trust the writing on the packaging in any way and definitely use class (C2TE) S1 adhesive for larger size slabs, for example, more than 120x240 , you must use class (C2TE) S2 adhesive and have a valid traceable standard number.

### • How to mix

It is better to use electric mixers or mixers that are installed on a drill and use them for 3 to 5 minutes from the time of mixing until you reach a soft, one-hand mortar and free of bubbles mixture. Then the adhesive mortar is rested for 3 to 5 minutes and mixed again for another 30 seconds, now the adhesive is ready to use.

### • How to use the adhesive:

The surface of the adhesive application must be completely dry, smooth, and level, and also free from any dust, grease, paraffin oil, or any other substance that causes the substructure and connection to be loose.

The said place should not be exposed to freezing or high temperatures for at least 24 hours. Also, if the working environment has a temperature rise above 35 degrees Celsius, you can moisten the substrate a little, and at a temperature below 5 degrees Celsius, you must warm the environment.

The use of dinokoll primer in the relative strength and insulation of the substructure will reduce the amount of adhesive consumption and increase adhesion.

### • Cleaning

After finishing the installation of porcelain and its grouting, the joints should be cleaned immediately with a sponge and water. Other than this, after the grouting material hardens, you must use a specialized cleaner material from Dinokoll to clean the remaining effects of cement and grouting materials.

### • Storage:

The place where the adhesive is stored should be cool and dry, and the adhesive should be kept in a closed envelope.

The best consumption time is one year after the production date under the above conditions.

### • Safety measures:

This product contains Portland cement, which leads to an alkaline reaction when in contact with moisture. Use gloves while using the product; in case of direct contact with the skin, it will cause burning, dryness, and cracking of the skin. It may cause an allergic reaction.

In cases of direct contact with the eyes, it may cause sensitivity, burning in the cornea, or even chemical burns. In the event of contact with the eyes, wash with water for 20 minutes and then consult a doctor.

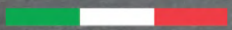
In addition, detachable elastics must be used every 25 square meters inside, every 10 square meters outside, and every 4 meters in height.

### • Responsibility

This company fully accepts the qualitative and quantitative responsibility of all its products in accordance with the relevant standards and will be responsible for any deficiency. But matters of how to maintain, use, operate, and implement it are the responsibility of the respective customers.



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