

Company Virtual Tour

TRENTO, ITALY / 16 October 2020

CONSORZIO ITALIANO PORFIDO del TRENTINO soc. cons. coop.

(C.I.P.T. – ITALPORPHYRY)

Via KUFSTEIN, 1 TRENTO - ITALY



web site: www.italporphyry.eu

Brief History of the Company

- Italphorphyry was founded in 2013, by a group of local companies with more than 30 years of experience in porphyry quarrying
- 50% of our market is based on export; actually we supply porphyry in 40 countries
- Our main business is production and selling; in case of complex projects we are able to offer the partnership of installers teams or supervisors to local installers
- Our specialization is the production of stone material for roads, pathwalks, public areas and squares, residential and commercial areas, mainly for exterior paving



Maps of Quarries and Fabrication Plants



THE GROUP ITALPORPHYRY TAKES TOGETHER N. 9 QUARRIES FOR PRODUCTION OF SPLIT MATERIAL WITH NATURAL PLANE SURFACE; N. 5 WAREHOUSES FOR SAWN MATERIAL WITH NATURAL PLANE AND FLAMED SURFACE, etc.

AREAS OF QUARRIES: ALBIANO (TN); FORNACE (TN); CEOLA (TN); LASES (TN)

CIPT – ITALPORPHYRY HEADQUARTER AND SOME QUARRIES AND WAREHOUSES OF THE GROUP



Hand-made and split products: crazy paving; cubes, tiles



HOPPER & BENCH FOR HAND CLEAVAGE



SPLITTING MACHINE



CRAZY PAVING



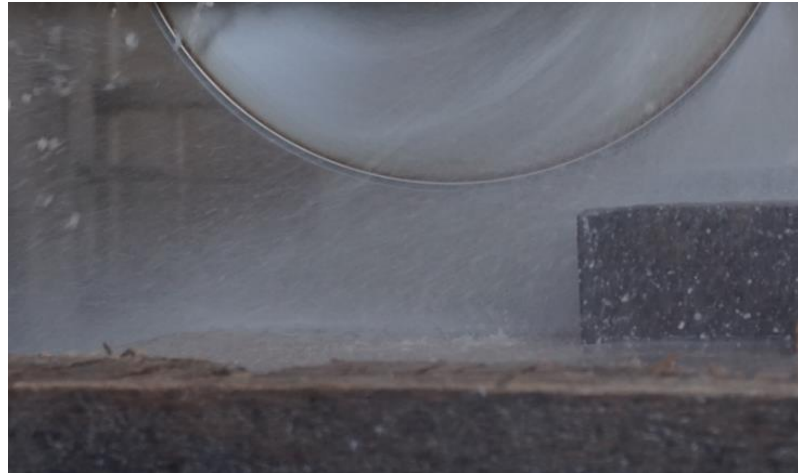
CUBES



SPLIT TILES



Sawn and flamed products: tiles, coping stones, flamed tiles



NATURAL PLANE SURFACE TILES, SAWN SIDES



COPING STONES, HAND SPLIT SIDES



FLAMED TILES



On site brushed products: Overlapping cubes; parallel lines cubes



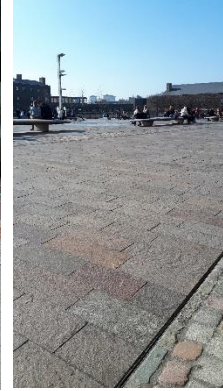
BRUSHED ON SITE CUBES



OVERLAPPING AND PARALLEL LINES BRUSHED CUBES FOR INTERIOR



Quarries, colours and products



Company Executive Staff & Contacts

- The group has a commercial office with n. 8 employees; all quarries of the Consorzio Italporphyry has own management with overall 80 workers and employees; all quarries are organized with a quarry director and a Geologist referent;
- The main referents are: Eros Gottardi CEO, Andrea Angheben technical director and quality control; Gianluca Cristofolini export manager; Matteo Paolazzi export EU; Danilo Ravanelli Italian market

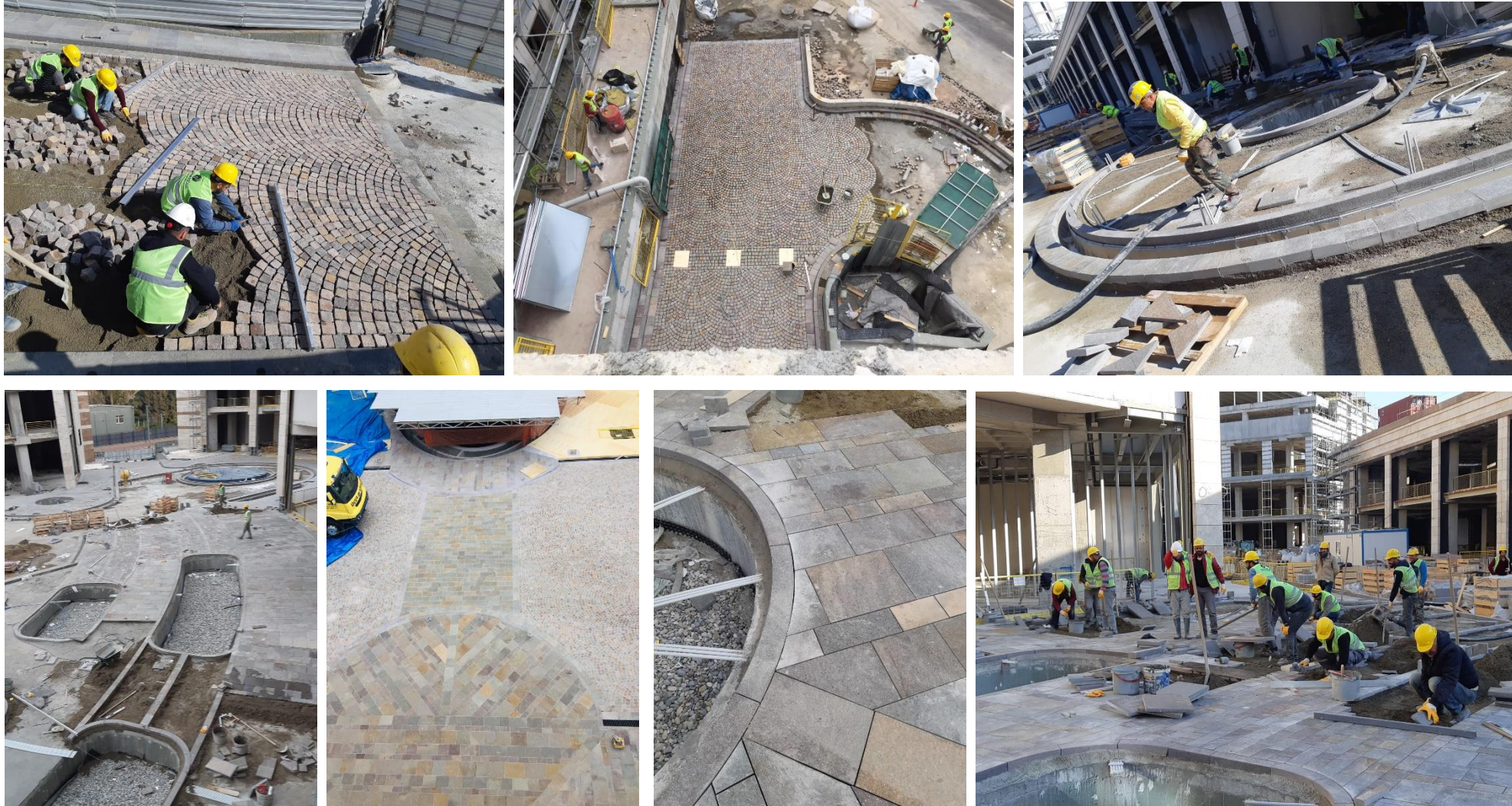


Correlated activities of the staff

- 1) Technical and promotional conferences
- 2) Practical demo concerning porphyry installation
- 3) Specific first level courses for porphyry installation
- 4) Activity of supervisor and training on site



Correlated activities of the staff: Installation & supervisors (Turkey 2020)



CIPT –ITALPORPHYRY AND TRADITION



Tradition and historical background in installation;

Cipt – Italporphyry is member of E.S.Po the agency for porphyry promotion but also sponsor of Museo Casa Porfido, the house where all tradition is preserved as a real value of the local Community

Last International projects (1)

- Temple of Rome: porphyry cubes (cm 6/8 x 6/8; cm 10 x 10); basalt cubes (sampietrini); classic travertine; 2017 – 2018; approximately 12.000 sqm; supply and partnership in installation.



Last International projects (2)

- Izmir Istinye Park (Turkey) – porphyry cubes (8/10 x 8/10); sawn tiles; crazy paving; Kerbstones; 2019- actually on going; about 17.000 sqm; supply and supervisors guarantee by Italtorphyry;



Last International projects (3)

- La Valletta - Malta, Castille Square: cubes cm 8/10 x 8/10; setts cm 10 x 8/11; supply and installers in partnership with Italtorphyry; 2015; about 5.000 sqm;



Last International projects (4)

- Les Halles – Paris, France: cubes cm 8/10x8/10; cubes cm 10x10x8/11; supply; 2016 about 6.000 sqm;



Last International projects (5)



Last International projects (6)



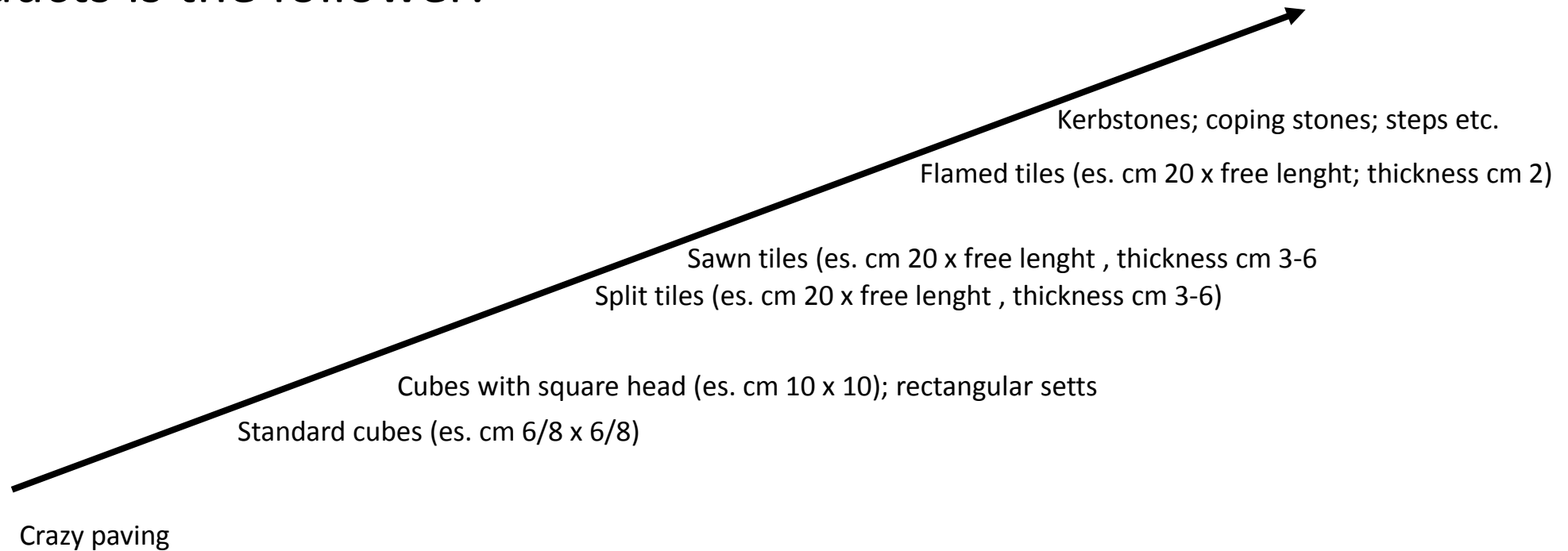
National History Museum, London;
cubes; supply



CARAPACE, Montefalco (PG) Italy : cubes; tiles; about 3.000 sqm;
supply and installation

Level of cost

- From the lower cost to the highest the level of costs of porphyry products is the follower:



ASTM TESTS AND EN STANDARD

- CIPT – ITALPORPHYRY periodically charges international laboratories in order to have always updated tests both ATSM and EN STANDARD in order to guarantee CE certificates (DoP according to EN 1341;1342;1343; 12058)

SELM
CERTIFICAZIONE PIETRE NATURALI


TECHNICAL DOCUMENTATION FOR THE CHARACTERIZATION OF PRODUCTS OF NATURAL STONE

Type of stone:	Portido Trentino	Place of origin:	Trentino - Italia
Intended use:	Slabs, steps and kerbs		
Date:	28/05/2020	Test Report:	447/20 Standard: ASTM
The manufacturer:	C.I.P.T. s.r.l. Italporphyry - 38121 TRENTO (TN), Italy		

This document provides information essential for physical and mechanical characterization of the products produced by the C.I.P.T. s.r.l. with natural stone called:

PORFIDO TRENTINO

Details of the stone:



Unequigranular igneous rock with phenocrysts into a sparse red-wine colour groundmass. The rock is healthy with hardness value of Mohs scale higher than 6. It does not fire with a metal blade and does not react with hydrochloric acid.

Petrographic name: **IGNIMBRITE**

Test	Condition	Test method	Mean value	Standard deviation
Bulk Specific gravity		ASTM C87	2586	4,37
Water absorption		ASTM C87	0,3	0,04
Open porosity		ASTM C87	0,8	0,10
Abrasion resistance		ASTM C141	27,5	1,82
Compression strength	dry	ASTM C170	200	17,93
	wet		192	14,87
Flexural strength	dry	ASTM C880	19,2	0,52
	wet		17,9	0,75
Modulus of rupture	dry	ASTM C89	24,1	1,58
	wet		22,1	3,43
Slip resistance (Raw surface, roughness > 1 mm.)		EN 12598	not slippery	-
Solar Reflectance Index (SRI)		ASTM E1980	36	-

Director
COLLEGE of Bertolini Mario C. snc
TRENTO
NATURAL STONE
P.I. 04478700460
SEGNIZIONE ALBO N° 289

SELM di Bertolini Mario C. snc - LABORATORIO PROVE - Via Roma n°7 38060 ISERA

TÜV Rheinland LGA Bautechnik GmbH

Naturstein, Fassade, Bauteile

TÜV Rheinland®
LGA
Genau. Richtig.

Druckfestigkeit nach Frost

after frost

Probenvorbereitung: 12.11.2018 - 09.01.2019

Preparation of the samples

Prüftag: 09.01.2019

Date of testing

Prüfkörper: Würfel 50 mm x 50 mm x 50 mm

Samples

Würfel 50 mm x 50 mm x 50 mm

Druckflächen geschliffen

Surface preparation with a lapping machine



Probe Sample No.	Abmessungen dimensions		Bruchlast breaking load kN	Druckfestigkeit compressive strength MPa
	Seiten sides	Höhe high		
1	50,9 49,0	49,8	487	195,14
2	50,8 50,5	49,9	477	185,97
3	50,5 50,5	49,9	476	186,45
4	51,7 49,9	50,2	496	192,26
5	50,9 50,7	49,8	477	184,80
6	50,9 50,3	49,8	482	188,26
7	49,8 50,7	50,3	449	177,63
8	50,4 50,3	49,9	485	191,15
9	50,2 50,4	49,9	457	180,78
10	50,0 50,3	49,9	468	186,00
Mittelwert	mean value			186,8
Standardabweichung	standard deviation			5,2
Variationskoeffizient	variation coefficient			0,028
unterer Erwartungswert	lower expected value			176,1
(log. normalverteilt)				
Probenvorbereitung und Prüfung nach DIN EN 1296: 2007-03 preparation of the samples and testing according to				
Last senkrecht zur Anisotropie Load normal to the planes of anisotropy				

TÜV Rheinland LGA Bautechnik GmbH

Materialprüfinstitut

G. Deppisch

Dipl.-Ing. (FH) Deppisch



Bearbeiter

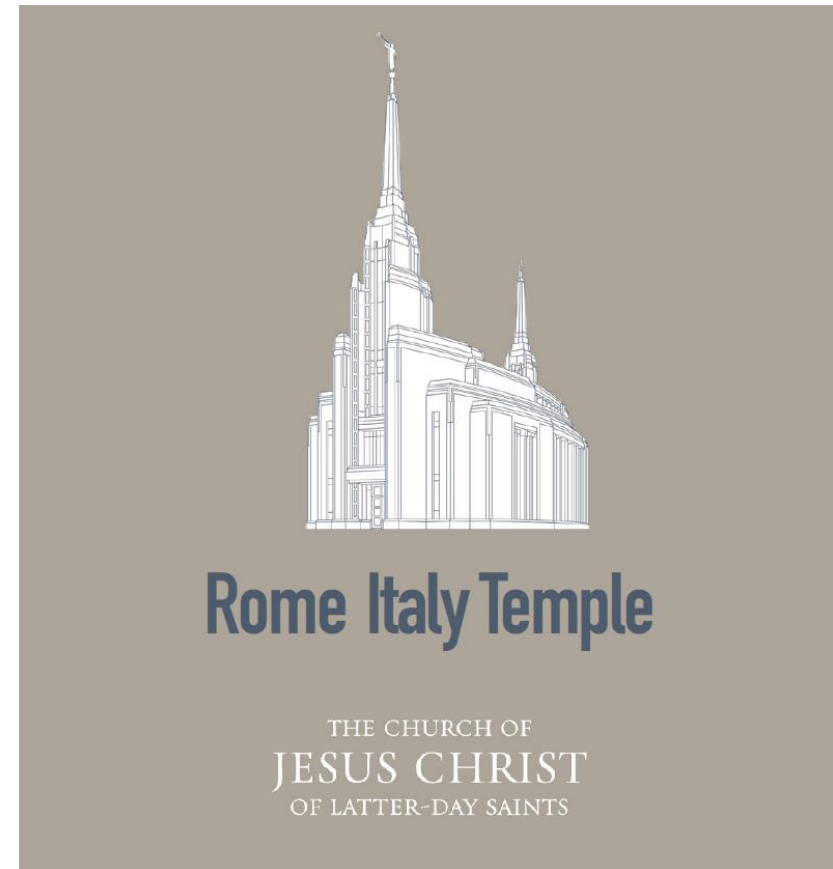
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A. Klarmann, Steintechniker

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Case History: Temple of Rome

PROJECT	ROME ITALY TEMPLE
TYPE OF PAVING	Exterior; squares; pedestrian paths; roads; roundabout
EXTENSION SQM	12.000 sqm
WORK START	23 October 2017
END OF WORKS	31 May 2018
STRESS CLASS OF PAVING	class P.6; P.7 according UNI 11714-1:2018
TIPOLOGIE AND DIMENSION STONE	Porphyry cubes cm 10x10x4/6;10x10x6/8; 6/8x6/8; porphyry split tiles cm 19x19x5/8; travertine «stangoni» cm 30 x 4; travertine kerbstones; recovered roman «sampietrini»
CLIENT	The Church of Jesus Christ of Latter- Day Saints
Senior Project Manager	Bret Woods
Agreement Subscriber	John Scott Alley
STONES SUPPLIED BY	Consorzio Italiano Porfido del Trentino soc. cons. coop – Italtorphyry – Trento - Italy
INSTALLATION	Paolazzi Gino & Co Snc – master installer – district of Trento Italy
WORKS MANAGER	Bradley Hurst – Rome Italy Temple
TECHNICAL ASSISTANT	Technical director Andrea Angheben
PROJECT AND BUILDING SITE	Building site Italtorphyry referent Claudio Ambu



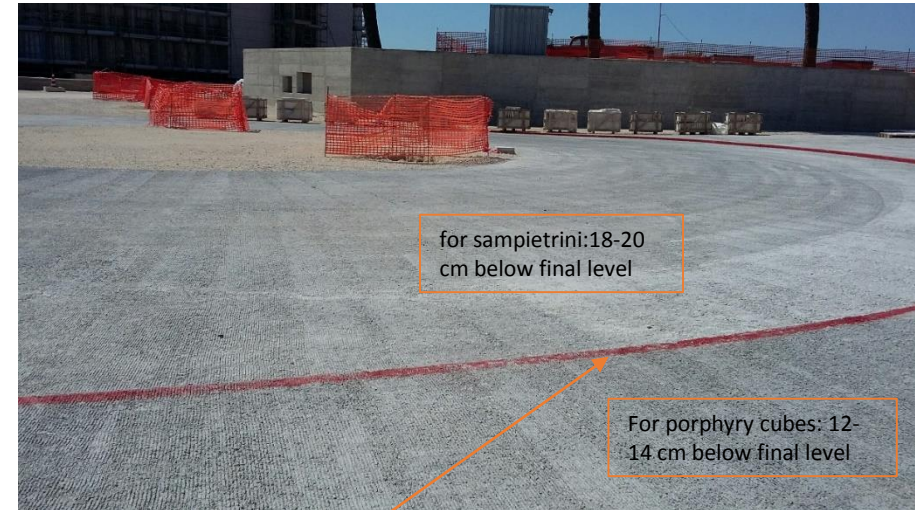


Phase 1: May 2017 – delivery samples in two colours



Cubes cm 6/8 x 6/8; bed in crushed rock mm 3-5; pattern overlapping arcs; sealing with polyurethane resin Mapestone joint and crushed rock mm 2-4

Phase 1: May 2017 – inspection building site and concrete supports

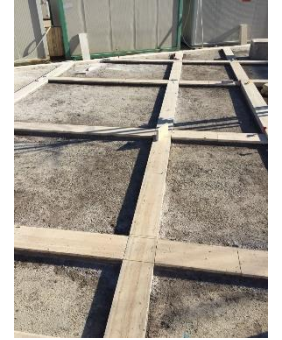


- Reinforced concrete supports for roads and roundabout correctly shaped at different level according with different thickness of stones (sampietrini and porphyry)



Phase 2; starting work 23 October 2017

«Stangoni classic roman Travertine: cm 29,6x120,4x4. Bed in cement mortar + lime; white cement as promoter of adhesion;



Cubes cm 6/8 x 6/8, overlapping arcs; vehicular road; bed in basalt crushed rock mm 3-5; sealer in polyurethane resin together with porphyry crushed rock mm 2-4

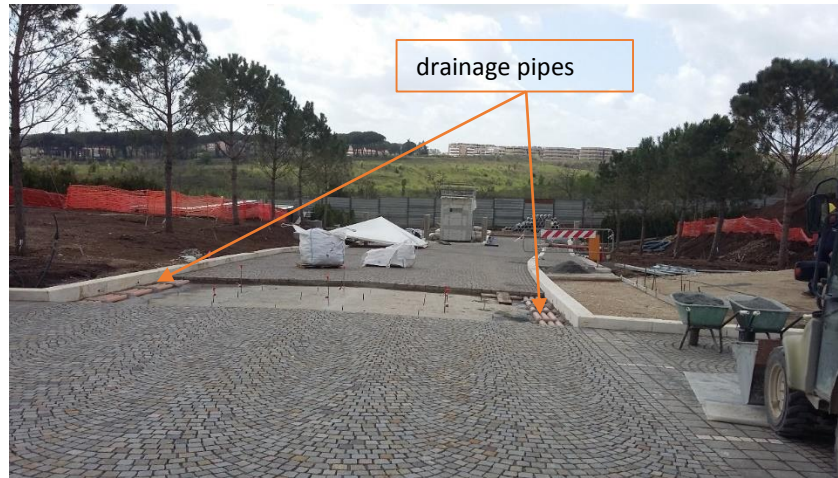


Roundabout in sampietrini cm 10/12 x 10/12; circular pattern; bed in basalt crushed rock mm 3-5; sealer in polyurethane resin together with porphyry crushed rock mm 2-4



Phase 3: development of work

Cross walk + speed bump : cubes cm 10x10x6/8, parallel lines; cubes Istria stone cm 10x10x8 vehicular road; bed in basalt crushed rock mm 3-5; sealer in polyurethane resin together with porphyry crushed rock mm 2-4



Handicap Stalls : cubes 6/8x6/8, overlapping arcs; cubes Istria stone cm 10x10x8; vehicular road and pedestrian paving ; bed in basalt crushed rock mm 3-5; sealer in polyurethane resin together with porphyry crushed rock mm 2-4

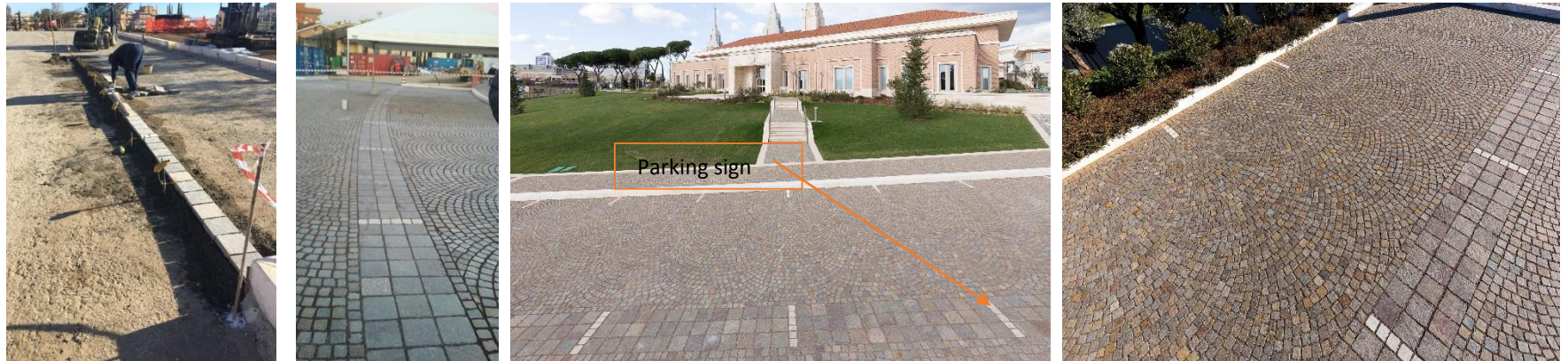


Phase 3: development of work – installation details

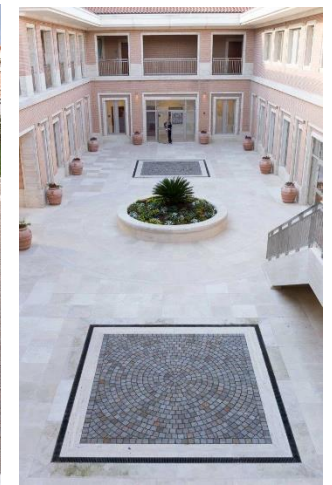
Installation: loose bed in crushed rock; installation with precompacting level; compacting with water; sealing with resin + crushed rock mm 2-4



Accent pavers and striping stones; porhyry tiles cm 19x19x5/8; the first strip in cement mortar; other stones in loose bed + resin; parking signs in cubes Istria Stone cm 10x10x8



Phase 4: final result May 2018



Delivered May 27, 2018...3 days before deadline!

Opening day : January 12, 2019





Consorzio Italiano Porfido del Trentino – **C.I.P.T. – Italporphyry**

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