

<i>Working Stages</i>	<i>TECHNICAL SPECIFICATIONS: PLAM SPRAY FRESH ON FRESH</i>	<i>Indicative quantity estimated</i>	<i>Unitary Cost</i>
<b>Art. 1 Ground</b>	Arrangement of the ground through compaction and subsequent laying of concrete respecting the minimum slope limit in compliance with UNI 11146/2005 regulation and Work Management prescriptions.		
	Arrangement and leveling of wells and machicolations, aiming to guarantee a proper surface-water drain.		
<b>Art. 2 Support Preparation</b>	Supply, laying and subsequent leveling of the formwork. In the event that some sideflexing formworks are required, ISOPLAM <sup>®</sup> PLAM FLEX shall be supplied for use.		
	Supply and laying of a 0,20 mm layer of ISOPLAM <sup>®</sup> NYLON VAPOR COAT, ensuring an overlap of the nylon sheets of at least 20 cm, to prevent rising damp. The overlap shall be sealed with ISOPLAM <sup>®</sup> DUCT TAPE to prevent water infiltrations.		
	Supply and laying of a single layer of ISOPLAM <sup>®</sup> MEMBRANE DPM, 200 g/mm <sup>2</sup> grammage to be paired and overlapped with ISOPLAM <sup>®</sup> NYLON VAPOR COAT coating sheets, to allow the concrete casting to keep moist during the kneading phases.		
	Supply and laying of ISOPLAM <sup>®</sup> EXPANDED POLYETHYLENE TAPE aiming to isolate the outer edges.		
	Laying of ISOPLAM <sup>®</sup> PAVIGEL for protecting external surfaces from the concrete flow.		
<b>Art. 3 Steel Reinforcement</b>	Supply and laying of ISOPLAM <sup>®</sup> STEEL REINFORCEMENT $\varnothing$ 6 mm, ( $\varnothing$ 8 mm recommended for use in case of heavy traffic movement), 20 x 20 cm mesh with a one-mesh overlap (the welding of sheets is not required). ISOPLAM <sup>®</sup> STEEL REINFORCEMENT shall be widely spaced from the subgrade with the use (variable) of 5 cm ISOPLAM <sup>®</sup> DISTANZIATORI (5cm spacers). Available ISOPLAM <sup>®</sup> DISTANZIATORI heights may vary depending on the concrete's width to be placed for maintaining a correct position during the concrete pouring phase.		

<b>Art. 4 Concrete</b>	Supply and application of the concrete screed according to UNI EN 206 for floorings exposed to frost without deicing salt, exposition class XF3. The resistance class must not be under Rck 30 N/mm <sup>2</sup> (C25/30). The cement dosage must not be less than 350 kg/m <sup>3</sup> . Concrete type 325 in summer and 425 in winter. It is recommended aggregates of 15-18 mm. The minimum thickness should not be less than 10 cm for pedestrian areas and 15 cm for vehicular light traffic.		
	The Water/concrete ratio shall not exceed a 0,60 value. In case of use of the ISOPLAM® VIBRANTING MAGIC SCREED, the suitable consistency class shall be S2-S3.		
	In case of manual smoothing ISOPLAM® ALLUMINUM SCREED, the proper consistency class shall be S4.		
<b>Art. 5 Seasonal additives</b>	Supply of ISOPLAM® COLDPAV superplasticising for concrete laying in cold weather or ISOPLAM® HOTPAV superplasticising for concrete laying in hot weather.	1,5 lt/100 kg concrete	
<b>Art. 6 Fibers</b>	Supply of ISOPLAM® PROPYLENE FIBERS to avoid eventual superficial micro-cracks.	0,6 - 0,9 kg/m <sup>3</sup>	
<b>Art. 7 Concrete casting</b>	Concrete casting, in compliance with the minimum slope limit of 2%.		
	Application of Isoplam® grout roller to push to the bottom bigger aggregate and to let the grout get up on the surface, improving the quality of the stamped surface.		
	Polishing of the surface with an Isoplam® magnesium screed to make the surface suitable for the incorporation of Isoplam® PLAM HARDENING.		
<b>Art. 8 Paper Stencil</b>	Supply and application of Isoplam® PAPER STENCIL on fresh concrete, chosen by Work Management according to Isoplam® Plam Spray catalogue.		
	Application of Isoplam® Stencil Roller, necessary for the fresh on fresh technique. This roller Questo rullo allows a good application of the paper stencils on the already wet floor, making it antislip.		
<b>Art. 9 Hardener</b>	Supply and application of hardener for high resistance stamped concrete Isoplam® PLAM HARDENING in two coats, according to the colour chosen by the Work Management. The quantity depends on the colour and on the expected loading.	4,00 kg/m <sup>2</sup>	
	Polishing of the surface with Isoplam® steel float, creating one coat with the hardener and the fresh concrete.		

<b>Art. 10 Release agent</b>	Supply and application of the waterproof release agent Isoplam® PLAM RELE applied with Isoplam® Brush to apply the release agent on all the surface and on Isoplam® moulds, according to the color chosen by Work Management on the Isoplam® Color Chart.	150 gr/m <sup>2</sup>	
<b>Art. 11 Stamping</b>	Stamping of the surface with Isoplam® Rock mould with a rubber anti-vibrating tamper chosen by the Work Management on the Isoplam® Stamped Concrete catalogue. We do not recommend the use of iron tamper.		
	When the surface is almost dry, remove Isoplam® paper stencils.		
<b>Art. 12 Washing</b>	Application of Isoplam® PLAM DUST CLEANER to avoid the creation of dust made by PLAM RELE.		
	Knead the surface with Isoplam® Monobrush with a soft bristles PVC Disc.		
	Washing of the surface with Isoplam® high-pressure cleaner.		
<b>Art. 13 Joints</b>	Making of the control joints according to dimensions and thickness decided by the Work Management, with the proper machine with an Isoplam® Diamond disc.		
	Supply and laying of the Isoplam® joint filler to fill the control joints; the joint filler's dimension depends on the kind of Isoplam® Diamond Disc used.		
	Cleaning of the surface with an Isoplam® high-pressure cleaner and drying with an Isoplam® Wet vacuum cleaner.		
<b>Art. 14 Protective resin</b>	Wait for the complete drying of the surface before applying the resin.		
	Application of Isoplam® water-based IDROREP/A or solvent-based IDROREP/S with Isoplam® pump for acids or with an Airless pump.	150 gr/m <sup>2</sup>	
	Supply and application in two coats of Isoplam® PLAM SEALING/L or Isoplam® PLAM SEALING/S in case of cold weather, monocomponent acrylic solvent-based transparent resin, applied with an Isoplam® long hair roller for resin or Isoplam® Airless pump. The second coat can be applied after 12-24 hours after the first, depending on the season.	300 gr/m <sup>2</sup>	