

Litosil - application

The series of **Litosil** is primarily determined for cut – polished floors. The cut – polished floors are supplied by some specialized firms which are fitted with the appropriate technical devices and technological knowledge. This knowledge includes certain needed application information relating the cutting technics and using the right and the most suitable type of **Litosil**.

If you wish to increase markedly the quality of your concrete flooring and if you do not need to have it in the mirror shine it is possible to use **Litosil** only as the fastening or thickening coating. In this case our series of **Litosil** will bring you many advantages for your concrete flooring and as well for any other materials containing calcium (e.g. fibrocement, plastering, bricks etc.) – it increases even three times the surface hardness up to the level of the glass or ceramics, the surface becomes resistant against water, oils, power engines oils etc. but it still remains vapour permeable. Another significant advantage is its very easy application.

The series of **Litosil** for non- polished floors is supplied in three modifications:

Litosil 39 standard for high quality surfaces

Litosil 39 plus for surfaces with standard quality

Litosil 39 super for less quality surfaces

The difference among these particular types is in the content of active substances – lithium, silicon and additional organic substances (up to 5%). Simply said the higher quality of the surface the less needed active substances and otherwise, the more porous and less quality material the higher consumption of active substances.

The series **Litosil** is possible to use for new concrete (since the third day) and as well it can be used as the restoring means for older and weathered concrete surfaces.

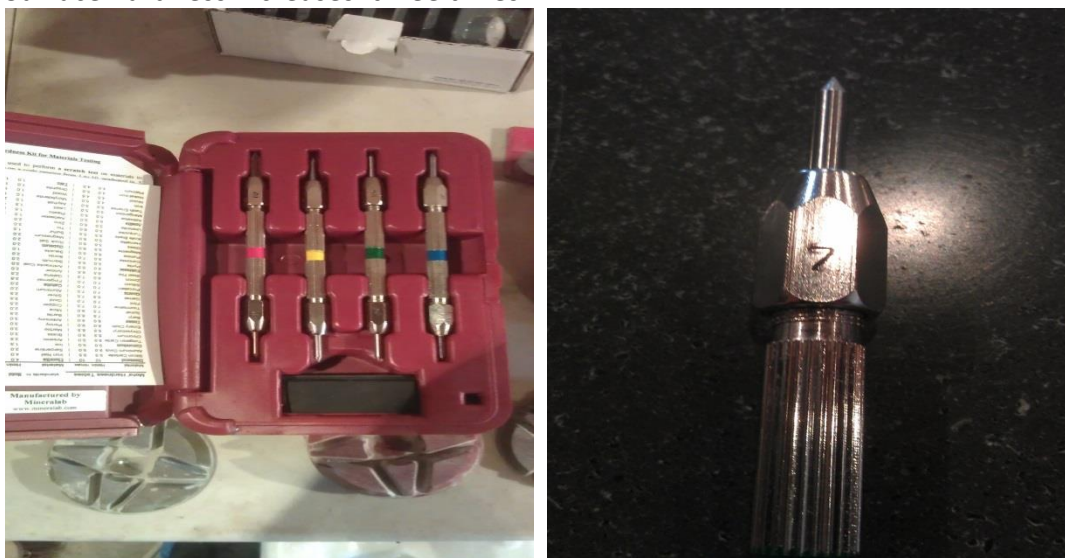
The average consumption per 1 m² is 0.1 – 0.5 litres according to the type and the quality of the particular floor. The experience is such that it is necessary to apply as much of **Litosil** so that the surface will stay humid for 10 – 15 min but without any puddles.

The series **Litosil** is used at temperatures over 10 °C.

1) Simple application



2) Surface hardness increases three times



- 3) Resistance against water, oils, and power engines oils etc.



- 4) For maximum efficiency it is necessary to clean the surface mechanically before applying it



5) Some examples of cut – polished concretes



6) The series Litosil is supplied in the packaging of 20, 50, 220 a 1 000 litres



7) Safety information

Transport and storage: Litosil can be stored and transported at the temperatures over +1°C in closed packing.

Protection and working safety: Lithium water glass is according to the legislation No.356/2003 Coll. classified as **irritant** with risky sentences: **R 38-it irritates the skin R 41-Danger of serious eyesight damage**. By working with it is necessary to protect the skin with protective gloves, the face has to be covered with the face mask, the body with working dress, rubber apron and boots.

8) Producer:

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