



# PENTACOL K 22

## Additive for cement-based adhesive for polystyrene boards

Technical Data Sheet June 2015

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**DESCRIPTION** **Pentacol K 22** is an additive in powder form specific for premixed cement-based adhesives and smooth finishes used for bonding boards in polystyrene and other insulating materials.

**FEATURES** **Pentacol K 22, together with 3% of Pentaresin P3**, concentrates in a single product all the features necessary to an adhesive specific for bonding polystyrene boards to the support, bonding the net, and applying the subsequent smooth finish by spatula.  
Thanks to this feature, it is possible to complete the three applications of the overcoat by using a single product.  
Besides, even in severe environmental conditions, it lengthens the time needed to position the panels. Thus, it allows the special resin Pentaresin P3, to stick to the surface of the boards in a strong and permanent way.

**USE** **Pentacol K 22** is used as additive in the preparation of premixed cement-based adhesives used for applying overcoat plasters made with boards of insulating materials.  
It is normally added to the other components of the premix during their mixing until total dispersion.  
To avoid losses of additive during this operation, it is advisable to limit the degree of pulverization, especially if it is added in the pure state at the end of the loading of the mixture.

|                          | Data                             | Method     |
|--------------------------|----------------------------------|------------|
| <b>TECHNICAL DATA</b>    |                                  |            |
| <b>State:</b>            | Powder                           | Visual     |
| <b>Colour:</b>           | Ivory white                      | Visual     |
| <b>Bulk density:</b>     | 0.600 ± 0.100 kg/dm <sup>3</sup> | IST. 10.07 |
| <b>Granulometry:</b>     | Min. 85% < 0.090 mm              | IST. 10.09 |
| <b>Humidity:</b>         | Max 4.0%                         | IST. 10.04 |
| <b>Water solubility:</b> | Partially soluble                | IST. 10.21 |

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|-----------------------------|--|
| <b>DOSAGE</b>               | The dosage of <b>Pentacol K 22</b> is 0.7% plus 3% of <b>Pentaresin P3</b> .<br>For a different use of cement-based adhesives, it is advisable to carry out preliminary tests on the specific mixture in order to establish the optimum dosage.  |
| <b>STORAGE AND VALIDITY</b> | If it is stored in a dry place and in the original bags kept perfectly closed, <b>Pentacol K 22</b> has a 12 months validity from the date on the delivery note.<br>If the product absorb moisture, this does not affect its efficaciousness, but it makes its dosage difficult and the distribution in the finished mixture not homogeneous.<br>Therefore, it is advisable to close the bags carefully after each collection.   |
| <b>PRECAUTIONS</b>          | <b>Pentacol K 22</b> is normally harmless in contact with skin and easily removable with water and soap. In case of contact with eyes, it makes them redden, but the trouble disappears by washing them with running water.<br>Inhalation can cause a slight irritation of the first part of the respiratory tract, so it is advisable to use dust masks.<br>In case of accidental loss, it must be picked up in dry state and discharged in an authorised waste dump.<br>Dry-clean the surfaces avoiding the use of water, since it makes surfaces slimy and dangerous.<br>Fur further information, please check the Security Data Sheet- |
| <b>PACKAGING</b>            | 25 kgs paper bags.   |

The specifications stated in this report have been got either through standardized tests and rules or their modifications following Pentachem systems. The methods applied can be requested to our technical service.

All the data stated in this technical sheet are based on our knowledge and experience. However, before using the item differently from indicated, it is advisable to carry out preventive tests. In any case, PENTACHEM does not assume any responsibility for any damage or defect caused by the use of our products, as the employment conditions are not under our control. We also inform that our technical service is at our customers' disposal for any information concerning the correct employment of our products.