



# ***POLYCOLD B100***

## ***COLOR QUARTZ BINDER***

### ***Description:***

POLYCOLD B100 color QUARTZ binder is a two component 100% solids (polyaspartic /aliphatic / polyurea) The POLYCOLD 100 is a hand mix system and gives operators about 40 minutes of working time. The POLYCOLD B100 is moisture insensitive and fast curing. The product will provide effective cover and is extremely color stable and displays excellent UV weathering characteristics. The POLYCOLD B100 provides a tough, high gloss, abrasion resistant, uniformly smooth finish. Used as binder and top coat over color QUARTZ stone carpets systems.

### ***Advantages & Benefits:***

Fast tack free time (5 hours), minimal down time.  
Excellent UV,color and gloss stability  
100% solids system, NO VOC's.  
Broad range of chemical resistance.  
Application in the field down to 0 C ambient conditions.  
Moisture insensitive, no bubbling.





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## **Surface Preparation:**

Concrete: Concrete must have a 28 day cure prior to application. Remove any curing agent, from release materials, oils, wax, moisture or any material that may affect bonding. Clean and wash to remove contaminants and maintain 5% residual moisture. Perform a moisture vapor test before making the coating application on concrete.

**Prime:** Primer is always recommended to take care of voids, pot holes or bug holes and to improve adhesion properties. Area must be free of dust prior to application. Film may be applied using, brush or roller. Allow Primer to become tack-free before applying the coating. For best results on concrete use POLYPRIME S100 and POLYPRIME EP 450 primers.

## **APPLICATION:**

Prepare the surface by using grinding machine, and then apply the primer by roller. At the time that you apply the primer broadcast sand 08-1,2mm. This it will help at the time of the application of the quartz. Mix 10kgs of color QUARTZ 2-3mm with 0.80kgs of POLYCOLD B100 binder. Use a trowel to apply it on concrete.

## **Physical Properties:**

<b>Colors</b>	<b>GREY (OTHER UNDER REQUEST)</b>
<b>Mix Ratio A:B (WEIGHT)</b>	<b>1:1</b>
<b>Gel Time</b>	<b>60 minutes</b>
<b>Tack Free Time</b>	<b>5 hours</b>
<b>Tensile Strength</b>	<b>6000 psi</b>
<b>Elongation</b>	<b>30%</b>
<b>Tear Strength</b>	<b>1000 pli</b>
<b>Shore Hardness D</b>	<b>90</b>

## **Component Properties:**

	<b>POLYCOLD 100 Part A</b>	<b>POLYCOLD 100 Part B</b>
<b>Color</b>	<b>Clear É Liquid</b>	<b>Clear É Liquid</b>
<b>Solids, %</b>	<b>100</b>	<b>100</b>
<b>Weight / LTR, KGS.</b>	<b>1.10</b>	<b>1.05</b>
<b>Flash Point, °C</b>	<b>100</b>	<b>110</b>

## **Shelf Life:**

***POLYCOLD B100 color QUARTZ binder system are stable for a minimum of twelve months in sealed and unopened containers. Keep stored indoors in moderate climate conditions. Do not store out of doors where freezing conditions can occur. Temperatures below 20 °C will cause the Part A component to crystallize. Keep away from extreme heat, freezing and moisture.***

## **Availability:**

***POLYCOLD B100 is available directly from our manufacturing locations in 10kgs and 40kgs kits.***

**NCI CHEMICAL INDUSTRY LTD  
8 IPPONAKTOS STREET, NICOSIA  
CYPRUS, 1016  
TEL: 00357-22623303  
FAX: 00357-22624265  
[www.ncipolyurea.com](http://www.ncipolyurea.com)  
[info@ncipolyurea.com](mailto:info@ncipolyurea.com)**

