ADCO Colcem 528W is a two-component cementitious-based paint, supplied as a dry powder plus liquid component kit to be mixed on site prior to application in two coats onto prepared substrates. The product is applied by brush, block brush or spray onto damp, prepared (see ‘Surface Preparation and Application’ below) surfaces of concrete, masonry, etc. The chemistry of reaction and crystallization from cement hydration results in ADCO Colcem 528W forming a monolithic bond to the substrate and hence becoming an integral part of the member. Being cementitious-based, the product is UV-stable and thus finds a wide range of applications. ADCO Colcem 528W is specified for both interior as well as exterior surfaces as a durable decorative finish where the texture can be varied depending on application techniques.

Please note, ADCO Colcem 528W can be applied to previously painted surfaces such as PVA, we recommend consulting with the technical division of ADCO Construction Chemicals for project orientated advice as some painted substrates might require specific treatment.

The ADCO Colcem 528W installation can be sealed by using a suitable product from our ADCO range.

The product is available from the range of decorative wall and floor coverings and pool plasters.

ADCO Colcem 528W is available in our standard colours, however colour matching to your project requirement is available:

**EARTH**  
- champagne  
- topaz  
- light chocolate  
- copper brown  
- brown  
- burgundy  
- dark chocolate  
- brown oxide

**FIRE**  
- amaretto  
- creamy nude  
- rose petal  
- soft camel  
- tangerine  
- ruby grapefruit  
- dusty orange  
- summer bronze  
- sundance turquoise  
- mellow mustard  
- well him  

**WATER**  
- sp fruit  
- oceanic  
- mediterranean  
- luminite  
- morning sky  
- blue delight  
- lavender  
- cloudy day  
- blue green  
- mystique rose  
- indigence  
- silver  
- charcoal

**NATURE**  
- whipped cream  
- vanilla cream  
- sunset  
- lime fresh  
- green tea  
- elephant grass  
- camomile  
- olive  
- thyme  
- washed earth  
- forest fern  
- olive  
- salt and pepper  
- sapphire  
- pink salvia

The information provided in this technical product data summary is to the best of our knowledge correct. Please ensure product suitability for the specific application – technical back-up and method statements available; no warranty / guarantee expressed or implied on installation of product.
SURFACE PREPARATION and APPLICATION

Ensure the surface to be structurally sound and free of laitance, contamination as well as loose or friable material – repair to imperfections can be carried out using ADCO Plastrep 321. Wire brushing, scabbling, acid etching, etc if necessary are used to clean and prepare the surface. A priming treatment is recommended, ADCObond 239, specifically where existing paints cannot be removed and have to be over-coated with ADCO Colcem 528W.

It is important to install ADCO Colcem 528W onto surfaces of even porosity or similar curing time; different porosities may result in different absorption profiles and thus possible colour shades. Where such situations are present, we recommend installing ADCO Cemkote 521S over the substrates before application of ADCO Colcem 528W.

Where ADCO Colcem 528W is to be applied over movement joints or wall / floor intersections of water ponds for example, we recommend incorporating ADCO Membrane 596 into the first layer and overcoat with the final coat.

Once preparation is complete, the surface is thoroughly dampened with clean water. After removing any ponding water (for horizontal surfaces), apply ADCO Colcem 528W mixed to a lump-free paintable slurry consistency in a two-coat procedure; ensuring to maintain a wet edge of paint to avoid dry joints. Dampen the surface of the first coat before applying the second coat. Please note, mixing to be carried out by slow-speed mechanical drill with mixing paddle. The rotational speed of the mixer must be controlled to avoid entrainment of air during the process.

ADCO Colcem 528W can be applied onto green concrete, masonry, screed, etc surfaces as highly efficient curing medium in addition to its protective, decorative and waterproofing properties.

Mixed ADCO Colcem 528W, within its working time, should be stirred up regularly to prevent segregation. However, do not re-agitate once setting has commenced – discard the product.

PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixing ratio</td>
<td>As supplied, do not split kits</td>
</tr>
<tr>
<td>Colour</td>
<td>Range of colours available, colour matching on request</td>
</tr>
<tr>
<td>Surface finish</td>
<td>The product will exhibit a textured surface, on request, such texture can be adjusted to meet project requirements</td>
</tr>
<tr>
<td>Working time</td>
<td>15 – 20 minutes @ 25°C</td>
</tr>
<tr>
<td>Setting time to final set</td>
<td>4 – 6 hours</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>Minimum 6 months if stored dry and off concrete floors under standard conditions</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>+10°C to +25°C</td>
</tr>
<tr>
<td>Coverage</td>
<td>10 – 18 m² per two coats, depending on surface texture and porosity</td>
</tr>
</tbody>
</table>

SAFETY

ADCO Colcem 528W is not considered toxic or dangerous; however standard industrial precautions apply such as protective clothing, gloves and eye goggles. Cementicious-based products are alkaline and hence may cause irritation to the skin and eyes. Remember: Keep out of reach of children, handle responsibly and consider the environment.

PACKAGING

ADCO Colcem 528W is supplied as kit (powder plus liquid). For large projects, the powder is delivered in 1 ton bulk bags and the liquid in 200 L or 1000 L flowbins – we supply measuring devices for accurate dosing.

UPDATE

May 2017.

This supersedes all previous documentation.