

# 3M Concrete Protector and Restorer (CP&R).

## Problems:

- Large Cracks
- Map Cracking
- Micro Cracks
- Spalling & Scaling
- Delamination
- Chemical Attack



## Solution: 3M CP&R

Now you can protect and restore concrete by treating it with 3M CP&R which seals pores, capillaries, micro cracks, large cracks and spalls to prolong concrete life and reduce repair and replacement.

# 3M Concrete Protector and Restorer (CP&R).

## Preventative Maintenance and Cost

Many concrete structures designed to last more than 40 years are requiring major repairs after 5 to 10 years. Concrete repair and replacement can cost millions of dollars annually. Preventative maintenance and proper concrete protection makes sense. Treating concrete with 3M CP&R is a cost effective way to protect your concrete structure from lost value due to deterioration or the high cost of major repair and concrete replacement.

## Protection

3M CP&R provides protection from intrusion of destructive chloride ions, against other chemical attack and deterioration. 3M CP&R penetrates and impregnates deteriorated and sound concrete surfaces, providing protection.

## Restoration and Repair

3M CP&R can be used to fill and seal cracks. Also, mixed with sand or mortar, 3M CP&R becomes a polymer concrete used for patching. Studies have shown that service life can be extended significantly if cracking is identified early and treated quickly. Treatment with 3M CP&R is a great way to restore and prolong concrete life.

## Unique Chemistry

3M CP&R is a modified high molecular weight methacrylate monomer featuring unique 3M polymer chemistry. This proprietary formula is a two part, low viscosity, solvent free liquid designed to allow deep penetration. The products accommodate moving and non-moving cracks in structural and non-structural applications on interior and exterior areas for both old and new concrete.

## Penetration

Since 3M CP&R viscosity is very near that of water, it will penetrate quickly nearly anywhere water can go. Field reports show that it even penetrates into the smallest micro cracks to help protect and restore concrete.

## How 3M CP&R Works

The quick setting unique 3M acrylic polymer chemistry protects reconsolidates and waterproofs cracked concrete and masonry above on or below grade.

Applied to structural concrete surfaces, 3M CP&R will penetrate both large and small cracks and micro cracks in just minutes.

After the low viscosity, 100% solids 3M CP&R penetrates into cracks, it cures in place, structurally bonding cracks back together while reducing the potential for corrosion.

