

PRODUCT INFORMATION

Re-Pel™ ready-mixed concrete outlasts regular concrete and requires less maintenance.

Description:

Re-Pel is a proprietary ready-mixed concrete from CBM. Engineered quality for agricultural and chemical resistant applications.

Re-Pel reduces permeability and increases durability resulting in a structure that will have a longer service life which requires less maintenance. Reduced permeability also makes the concrete easier to clean and resistant to bacterial absorption.

All **Re-Pel** mixes conform to applicable CSA and ASTM requirements.

Why use Re-Pel?

When you have an aggressive environment and normal concrete just doesn't hold up, try **Re-Pel**. **Re-Pel** has far greater resistance to salts, fatty acids, animal urine and continuous freeze-thaw cycles. **Re-Pel** also provides superior abrasion resistance.

Re-Pel Benefits:

- Better durability
- Longer service life
- Reduced maintenance
- **Reduced life cycle costs**
- Reduced permeability
- Resists bacterial absorption
- Easier to clean
- **Better livestock yields**

Food and Re-Pel work well together

Wherever food comes in contact with floors and walls there is a potential for bacterial growth and contamination. To combat that potential, the food industry uses harsh chemicals and detergents which destroy the bacteria but that also attack the surfaces on which they exist. **Re-Pel** high-strength concrete surfaces accept a very smooth, less permeable finish for improved clean-up, helping to control bacteria while providing greater chemical resistance.

ENGINEERING DATA

Reduced permeability means easier to clean surfaces that resist bacterial absorption.

Performance Characteristics:

Coulomb Ion Penetrability

Based on Charge Passed as tested by CBM

| | 28 Day | 56 Day |
|------------------------|-------------|-------------|
| Regular 25 MPa | 4600 | - |
| 25 MPa Re-Pel 1 | 1650 | 1350 |
| Regular 30 MPa | 3150 | - |
| 30 MPa Re-Pel 2 | 1150 | 950 |
| Regular 35 MPa | 2850 | - |
| 35 MPa Re-Pel 3 | 750 | 550 |

Coulomb Ion Penetrability

Based on Charge Passed as per ASTM C1202

| Charge Passed (coulombs) | Chloride Ion Penetrability |
|--------------------------|----------------------------|
| >4,000 | High |
| 2,000-4,000 | Moderate |
| 1,000-2,000 | Low |
| 100-1,000 | Very Low |
| <100 | Negligible |

Compressive Strength Comparisons

