



**Asfalto Frío de Polímeros
Modificados y Alto Rendimiento que
está transformando en todo el
mundo la Industria de la
Construcción de Carreteras y los
programas de Mantenimiento Vial.**

EZ Street Colombia www.tecnologiadeasfalto.com



Asfalto en Frío EZ STREET®

EZ STREET® es un asfalto en frío que se utiliza para reparar de manera definitiva baches y deformaciones en las vías.

La mezcla asfáltica EZ STREET® se produce en caliente, como las mezclas tradicionales, pero con una gran diferencia:

**Se aplica una vez que se ha enfriado,
sin sufrir deterioro de sus características.**



Ventajas de EZ STREET®

La mezcla permanece **-hasta por 1 año-** sin sufrir deterioro, ello permite:

- Facilita programación y control del trabajo.
- La eliminación de los tiempos muertos por los viajes a recoger la mezcla caliente y las filas para esperar ser atendidos.
- El máximo aprovechamiento de la mezcla ya que no hay desperdicios.
- El aumento en la eficiencia y la productividad de las cuadrillas de mantenimiento..



❓ No representa riesgos para la salud

- El proyecto está respaldado por productos de alta tecnología, certificados y probados en otros países.
- La implementación es sencilla.
- Se puede ejecutar obras y atender comunidades en lugares donde las condiciones geográficas no son aptas para la instalación de maquinaria pesada.
- El impacto sobre el medio ambiente es mínimo. No contamina.

❓ Los resultados positivos se evidencian de inmediato.

- Estos beneficios repercuten directamente en el **COSTO** del mantenimiento de vías y carreteras.

EZ STREET® también trabaja en AGUA.

No importa que esté lloviendo.
EZ STREET® puede ser aplicado sobre
baches y deformaciones cubiertas
totalmente de agua, ya que por su
tecnología molecular, no se mezcla
con el agua, sino que la desplaza.



EZ STREET® no requiere capa adicional de adhesión

Por sus características moleculares se adhiere, a sí mismo y a los materiales adyacentes -de manera permanente- durante el proceso de compactación.



200% de aumento en productividad

EZ STREET® permite aumentar al menos en un 200% la productividad de las cuadrillas de mantenimiento y en consecuencia baja los costos de operación.

Costo impresionantemente más bajo

Por la durabilidad de la reparación (permanente) y la disminución del costo por concepto de mantenimiento, tanto de personal como de equipo.

El costo de mantenimiento para calles y carreteras -en un período determinado- es comparativamente **MÁS BAJO**, que empleando las mezclas asfálticas tradicionales.



Soluciones Extraordinarias Para Problemas Ordinarios

De manera inmediata, sin una logística compleja, se solucionan los problemas más comunes de mantenimiento, tanto sobre superficies asfálticas como de concreto hidráulico.





Aplicaciones de EZ STREET®

- ❑ Baches (Huecos)
 - Cortes en el pavimento por obras de las empresas de servicios públicos
- ❑ Acocodrilados
 - Fracturas en el concreto hidráulico
- ❑ Hundimientos y Bordes
- ❑ Entradas residenciales o comerciales
- ❑ Parqueaderos
- ❑ Pasos Nivel
 - Pavimentación de tramos completos donde las condiciones geográficas o de clima son adversas

Sencillo, fácil, elemental

- 1•Limpie:** la zona afectada. Asegurarse de retirar todo el material suelto.
- 2•Aplique:** directamente en frío. Para espesores mayores a 10 cm., aplicar por capas de 5 cm. cada una.
- 3•Compacte:** con el mismo tráfico, rodillo tándem o con un medio mecánico.



1. LIMPIE



2. APLIQUE



3. COMPACTE

Durante Largo Tiempo conserva todas sus propiedades

Una vez preparada la mezcla de EZ STREET® ésta puede ser almacenada a granel o en bolsas hasta por 12 meses, sin perder sus características.



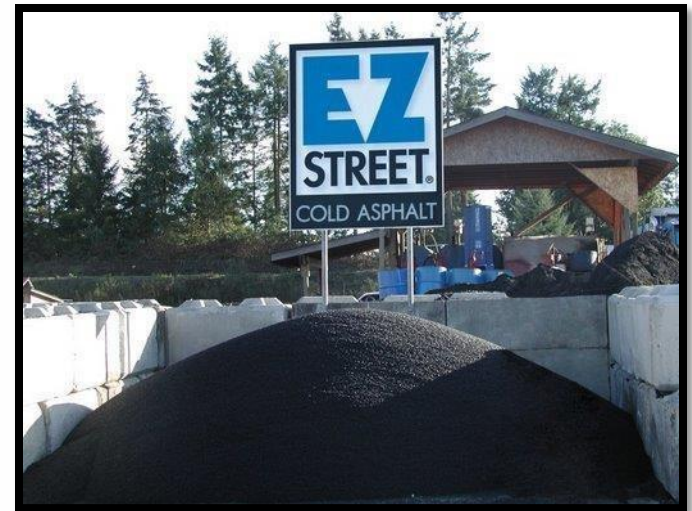
Presentaciones:



Bolsa



Paca



Granel

Sin misterio:

Máxima Productividad con Mínimo Esfuerzo

Requerimientos

1. Cuadrilla de dos personas.
2. Pala y/o Carretilla
3. Rastrillo
4. Plancha manual o Pisón Manual o Rodillo Manual (no indispensable)
5. Material de Banco para Relleno
6. Implementos necesarios para hacer Caja (en caso de requerirse)



Retorno a la Normalidad, en un Dos por Tres...

Permite el tráfico inmediato

Una vez aplicada la mezcla -aún sin compactación previa- la zona puede ser abierta al tráfico vehicular.

Por sus características especiales, EZ STREET no se adhiere a las llantas de los vehículos, a diferencia de las mezclas comunes.



Proyectos con EZ STREET®

En Bolivia:

Programa Social de Pavimentación



EZ STREET® en Bolivia

EZ STREET® se utiliza de manera masiva para recuperar el sistema vial en Bolivia, que ha sufrido enormes retrasos por limitaciones presupuestales, tecnológicas y geográficas.

EZ STREET® ha demostrado óptimo comportamiento en todos los climas y condiciones, desde las temperaturas en extremo bajas de las montañas de los Andes, hasta el clima tropical de Santa Cruz.



El proyecto “Bache 0” S.R.L. ofrece asfalto frío EZ STREET® como una óptima solución tecnológica, social y económica, para Bolivia.

En Chile: Aeropuerto Internacional de Santiago.



En Chile: La mina de cobre más grande del Mundo

En el Teniente, la mina de cobre más grande del mundo, se ha utilizado EZ STREET[®] para responder a las condiciones tan adversas para la pavimentación del interior de la mina: humedad, agua, frío y tráfico super-pesado.



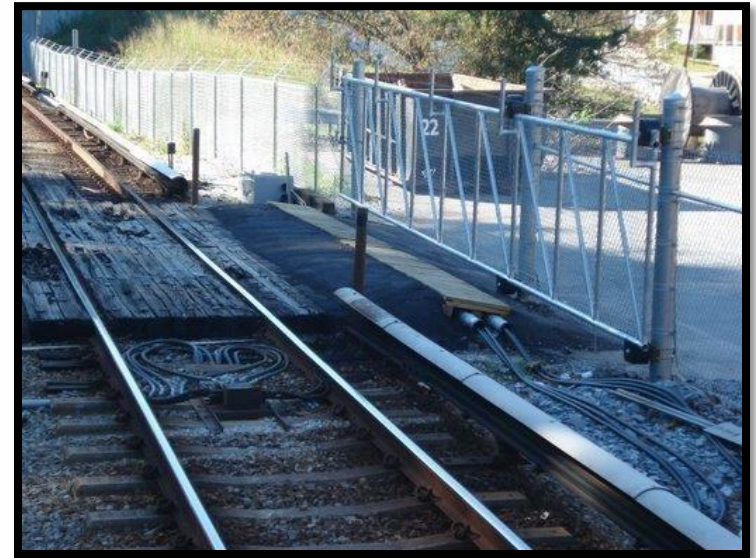
En Miami, FL - USA:

Trabajos de la Empresa de Acueducto



En Atlanta, GA - USA:

Reparación de los pasos a nivel del sistema de Trenes y Metro de la ciudad de Atlanta por parte del Departamento de Tránsito y Transporte de la ciudad.



En Kissimmee, FL - USA:

Reparación de huecos y deformaciones en vías.



En Ponce de León , FL - USA:

Reparación de zanjas por obras de la Empresa de Servicios Públicos.





Grandes Proyectos Grandes Satisfacciones



CITY OF PETERSBURG
PUBLIC WORKS DEPARTMENT
P.O. BOX 329 • PETERSBURG, ALASKA 99833
TELEPHONE (907) 772-4430
TELECOPIER (907) 772-4102

October 2, 2001

Lakeside Industries
Attn: Rick Rawlings
P.O. Box 7016
Issaquah, WA 98027

Dear Mr. Rawlings,

I am pleased to report that the City of Petersburg, Public Works Department has nothing but positive things to say about EZ Street.

We have applied EZ Street in the rain as well as during sunny weather and have never had any problems. We often need large quantities and are very happy with the 2-Ton bags. Due to EZ Streets easy application and durability we will continue to use it on all of our jobs.

Sincerely,

Raymond Pederson
City of Petersburg
Public Works Foreman



Oregon

John A. Kitzhaber, M.D., Governor

Department of Transportation
Construction Section
800 Airport Road SE
Salem, OR 97301-4798
(503) 986-3000
FAX (503) 986-3096

August 9, 2002

FILE CODE:

RICK RAWLINGS
LAKESIDE INDUSTRIES
PO BOX 7016
ISSAQUAH WA 98027

P2407

Product: **E-Z STREET**
Category: **Asphalt Cold Patch - High Performance--**

Your product was submitted for review to the Product Evaluation Committee of the Oregon Department of Transportation (ODOT). In reviewing your product, we have determined that it appears to be suitable for the intended use.

We are adding your product to our Qualified Products List for the category listed above.

This product approval is based on the submittal made at this time. Changes or modifications to the product, however minor, nullify this approval. You are expected to furnish the product for use on each project with the same features and options as included in our review until such time as you get approval for the proposed changes.

The information you have provided us is on file at the ODOT Materials Laboratory. Please keep us advised on any changes regarding this product so that we may keep our files current.

If you have questions please contact me at the Materials Lab 503-986 3059.

Mike Dunning
New Products Coordinator

c: Bruce Patterson, Pavements
Kevin Haas, Research
Joel Fry, Office of Maintenance
Garry Rogers, ODOT Purchasing
Bob Hunt, Lakeside Industries, 4850 NW Front Ave, Portland OR 97210



August 15, 2001

Mr. Gary Potter
2320 Creve Coeur Mill Road
Maryland Heights, MO 63043

Re: EZ Street Cold Asphalt

Dear Mr. Potter,

I wanted to take a moment and thank you for supporting our research at the NCAT Pavement Test Track. Our mission is to improve the quality of asphalt pavements, and your product has thus far provided us with a useful tool in accomplishing this objective.

As you know, we are required to cut cores periodically to document the densification of experimental mixes under traffic on the Track's surface. Truck traffic is applied Tuesday through Sunday of each week, where Monday is reserved for truck maintenance and research activities. Consequently, we must cut cores and backfill the holes in each of 46 total sections between dawn and dusk on planned Mondays.

We began this operation by using plant produced hot-mix asphalt that had been sampled and stored in 5 gallon metal buckets. As coring operations were completed on the Track, this mix was stage heated to accommodate placement and compaction in the open core holes. Using this method, our staff typically worked through the night to get the Track ready for Tuesday's trucking operations to begin at 5:00 AM the next morning.

Reheated hot-mix was reliably used several times in this manner; however, your offer to supply EZ Street Cold Asphalt was too good to pass up. Our standard practice has since exclusively utilized your product to fill cut core holes, thus avoiding the necessity of reheating plant run material. The accelerated nature of our truck traffic creates a harsh environment, but we have been pleased with the performance of your product after numerous uses and literally millions of ESALs.

Again, we appreciate your interest and support. If you would like to follow the performance life of your product on the NCAT Pavement Test Track, we update the ESAL count daily at www.pavetrack.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Buzz Powell'.

R. Buzz Powell
Test Track Manager



1400 LORAIN STREET
KNOXVILLE, TN 37921

DEPARTMENT OF PUBLIC SERVICE

Thursday, September 20, 2001

City of Knoxville
1400 Loraine St.
Knoxville, TN 37921

To Whom it May Concern:

I am writing this note because I want to express how pleased I am with EZ Street cold patch. As per our conversation, I am very excited about the results we have established using EZ Street.

EZ Street is superior to any similar product we have tried and with its ability to work in water, no tack coat required and not having to wait in long lines for hot mix saves the city considerable time and money. Areas that have been patched using EZ Street are staying in place and are holding up better than would be in case when using standard cold mix.

We feel not only does it do everything standard cold patch does, but it is virtually a permanent repair thus eliminating the need to revisit potholes, utility cuts, etc... and that it provides a cost efficient and simple alternative to hot mix asphalt patching.

It is nice to have this new polymer-modified cold mix available for our use any time of the year and to know that TDOT has approved it as a high performance patch material for state highway use.

We appreciate your commitment to working with cities like ours in helping establish cost effective patching programs.

Sincerely,

A handwritten signature in black ink, appearing to read 'David Ballard'.

David Ballard
Construction Services Manager



City of Waynesboro

P. O. BOX 471 • WAYNESBORO, TENNESSEE 38485 • (931) 752-5450

August 13, 2001

Durante Pryor
Tennessee Asphalt Company
1815 Eastwood Street
P. O. Box 1327
Paris, TN. 38242-1327

Re: EZ Street Permanent Cold Asphalt

Dear Mr. Prior,

The City of Waynesboro has been using EZ Street in lieu of regular cold mix asphalt for over a year now. We are very pleased with its results and have recommended it to neighboring city and county highway departments.

The durability of the product is great. We now rarely have any repatching unlike the other cold mix that would erode out after a while. EZ Street stays where it is put.

Thanks from a convert.

Sincerely,

A handwritten signature in black ink, appearing to read 'Victor Lay'.

Victor Lay
City Manager



Illinois Department of Transportation

Division of Highways / District 8
1102 Eastport Plaza Drive / Collinsville, Illinois / 62234-6198

July 30, 2001

Roger Haydon
EZ Street Production
Reese Construction Company
PO Box 1608
Cahokia, IL 62206

Dear Roger:

As we discussed during our last conversation, my maintenance forces have been using EZ Street for the last two years. The feedback I have received from my Engineers and Technicians has been very positive.

We have used EZ Street in several different applications. Our forces have used it as a partial depth patch outside St. Clair Square on IL 159, as full depth patching material on Interstate 64 in St. Clair County and as a repair to the numerous pot holes we have had over the past two winters throughout the District. Given the increase in Traffic Control requirements for my staff, EZ Street has offered us an alternative to repeat patching and extended lane closures. We have been pleased with the overall performance of EZ Street to date.

Should you have any questions on this matter, please feel free to contact my Field Engineer, Joseph Monroe, at 618/346-3279.

Very truly yours,

James L. Easterly, P.E.
District Engineer

A handwritten signature in black ink, appearing to read 'Kent L. Muskopf'.

Kent L. Muskopf, P.E.
District Operations Engineer

JDM/S:\2x3\Wp\Responses\EZStreet.doc